

EXPLORING BENEFITS OF USING AUGMENTED REALITY FOR USABILITY TESTING

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EXPLORING BENEFITS OF USING AUGMENTED REALITY FOR USABILITY TESTING

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LIST OF ABBREVIATIONS

AR	Augmented Reality
HMD	Head Mounted Device
2D	Two Dimensional
3D	Three Dimensional
HTML	Hyper Text Markup Language
CT	Computer Tomography
MRI	Magnetic Resonance Imaging
NPD	New Product Development

SUMMARY

This Thesis explored if augmented reality could be used to get a better feedback for usability testing. Augmented reality is being used in various fields like entertainment, medicine, etc., but this technology's use for usability testing has been very limited. This document specifically explored if it could be used for product usability testing. For this study, a product that is already in the market was used. First, the usability of the product was tested using traditional method, i.e., asking user to accomplish a specific task using that product and then gaining feedback using a questionnaire asking them about their opinions. Then the same product was modeled for an augmented reality environment and subsequently a different set of users were asked to accomplish the same task in an AR environment. The same questionnaire was provided to these users for feedback. After that, the feedback received using the two methods was compared. The hypothesis presented in this thesis said that using augmented reality can help get a similar usability feedback as compared to traditional usability testing. The results showed that the feedback gathered using the two methods were the same. Therefore, showing that the evaluation of the AR representation of the product's usability is comparable (not significantly different) from a usability evaluation of the actual product. This method might help reduce the cost of usability testing conducted on a large scale by reducing the need to have a fully developed product for testing. It will help in identifying usability issues before a product has been fully developed and thus, reducing the development cost.

CHAPTER 1

INTRODUCTION

Augmented Reality (AR) refers to a view of real or physical world in which certain elements of the environment are computer generated. These virtual elements could be a modification of a current element in the real world or could be an entirely new element. Augmented reality technology is being used in a variety of industries including product development and healthcare. This thesis will present the current state of the art related to augmented reality in various fields and discuss how it can be used in improving usability testing process.

Significance of the Problem

Every year companies spend a lot of money developing new products [1, 2]. Companies like Google and Microsoft spend 5-6 billion US dollars every year on research and development [3]. A new product development (NPD) cycle involves five steps (Exploration and screening, Business analysis, Product development and Testing, Commercialization). Product development and Testing uses 54 % of the resources [4]. These products could be interactive or non-interactive. This thesis will specifically address development of interactive products. Before bring a product to market, companies develop the entire product with all interactions integrated into the product and then release models for usability testing. If they find some glaring issues during testing, they have to revisit the development process. Once a product is in development, it costs 10 times more to fix a problem than during design and once the product has been released it costs 100 times more to fix a problem than in design [1]. The cost to fix design defects during design could be greatly lowered if the cost of building an actual product can be removed that is, doing usability testing on a virtual product. In this case if there are issues

with the usability of a product, all that needs to be done is changing the virtual model so that another round of testing can be performed. These costs can be reduced by using augmented reality for usability testing.

Goals of the Study

Most of the studies discuss techniques in which augmented reality can be used in product development, but they do not talk about using this technique for gathering user input. Research needs to be performed keeping in mind the end users, on how using augmented reality for usability testing will impact the final product. The purpose of this study is to explore if augmented reality can be beneficial in the usability testing process to gather similar usability input as compared to traditional method of usability testing where a more fully finished physical version of a product is built and tested. This research might provide results that would provide evidence that AR can be used for usability testing and help product developers understand the benefits of using AR in product design.

CHAPTER 2

BACKGROUND

Introduction

Augmented reality (AR) refers to a view of real or physical world in which certain elements of the environment are computer generated. These virtual elements could be a modification of a current element in the real world or could be an entirely new element. Augmented reality technology is being used in a variety of industries including product development and healthcare. This literature review will examine the current state of art related to augmented reality in the field of healthcare and product design. This review will also discuss how AR can be used for improving product development process.

AR in Healthcare

Augmented reality works as an assistive technology where it helps the user to visualize objects in a real Physical environment. Early studies in the field of AR include the research done at The Media Laboratory at Massachusetts Institute of Technology [5]. The researchers developed text based AR where text could be overlaid onto a physical object in a real environment which keeps changing as user interacts with different objects in the real world. The applications of this technology included detecting existing real objects and overlaying them with 2D AR graphics which provided instructions on how to interact with that object. This was achieved using wearable computers which are currently known as head mounted devices (HMD) for AR. HMD is a device that displays content in front of your eyes and is worn on your head which can be part of a helmet.

HMDs work in a fashion that they enhance the real world environment instead of replacing real environments [6].



Figure 1: Multiple graphical overlays aligned through visual tag tracking. Such techniques as shown in the following 3 figures can provide a dynamic, physically-realized extension to the World Wide Web. [5]

AR is becoming increasingly popular in healthcare. AR in healthcare is required to satisfy the need of visualizing data and the patient in same physical environment [7]. The Department of Surgery and Cancer at Imperial College in London devised a method providing surgeons a better insight using AR before performing a minimally-invasive prostatectomy. They took MRI scans of pelvis of patients who were due to undergo robotic prostatectomy for organ-confined prostate cancer. They reconstructed these MRI scans to images of the pelvis and overlaid them onto screenshots of recorded surgery.

Surgeons agreed that having a 3D image overlaid on the pelvis could be beneficial [8]. In 2007, Christoph and colleagues [9] presented a method of visualization of anatomy on the patient itself. Using HMD, they visualized the anatomy of the affected body part of the patient by overlaying it on the patient itself. It was visualized in a way that the anatomy of the part of body which was of interest was visible in 3D space overlaid onto the real part of body. The relative distances and perception of depth were also perceived correctly. The problem with other standard techniques like Computer Tomography (CT), Magnetic Resonance Imaging (MRI) and Ultrasound is that they do not consider the perception of depth and relative position, thus, not being able to guide in performing a surgery etc. in a clear way. The benefits of AR visualization in medicine include better understanding an image by overlaying a virtual anatomical context [7]. It also saves valuable time by not having to look on 2d monitors for every bit of different info a monitor has to be added.

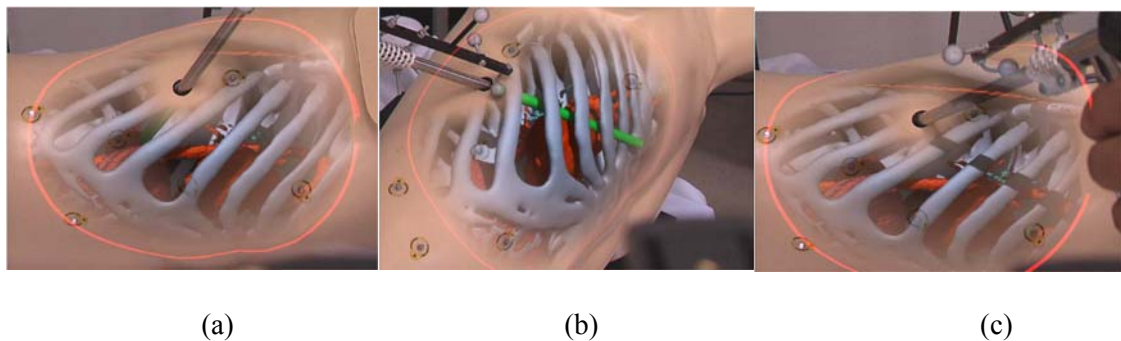


Figure 2: When the instrument is inserted through the port the skin remains opaque within the region of penetration (a) (c). Furthermore objects cast shadow on each other and therefore facilitate the navigation of the instrument (b) (c). The instrument is virtually extended inside the thorax phantom (b). [9]

AR in Product Development

Another emerging application of AR is to use this technology in product development process. Once a product is developed, it need to be tested. This means if some problems are found with the product, the developers have to go back to development board and go through the development process again which requires extra time and money [10]. Pedro and colleagues [11] suggest that AR should be used in early stages of product development so that they can be modified or redesigned interactively. They developed a method of using AR in their design process with a set up that included a tracking system, a head mounted device (HMD), PC-based graphical station and tangible objects for interaction. The process is explained by an example of car design in virtual environment where a 3D model of a car is overlaid on a physical car model and then identifying the areas to modify by the use of markers. A designer can then use hand gestures to redesign elements of the car.



Figure 3: (a) Camera-based tracking-system, (b) Trivisio stereo video see-through HMD, (c) Tangible interaction. [11]

Designers now have the ability to use tangible augmented reality during the product development process. Tangible augmented reality combines visualization properties of AR with tangible interactions of physical objects [12]. Lee and Kim [13] talk about how developers and designers can create better target content using tangible

augmented reality, which is, being able to do usability interactions before being used or felt by the target audience. The implementation process included making markers on cards which were placed in front of user. These markers are detected by an AR device like HMD and a 3d virtual object is placed on the markers. Users can then interact with the cards by moving them around in space as they would normally do with a physical object in real environment to interact with virtual objects. Such a tool will be ideal for communication between designers and programmers.

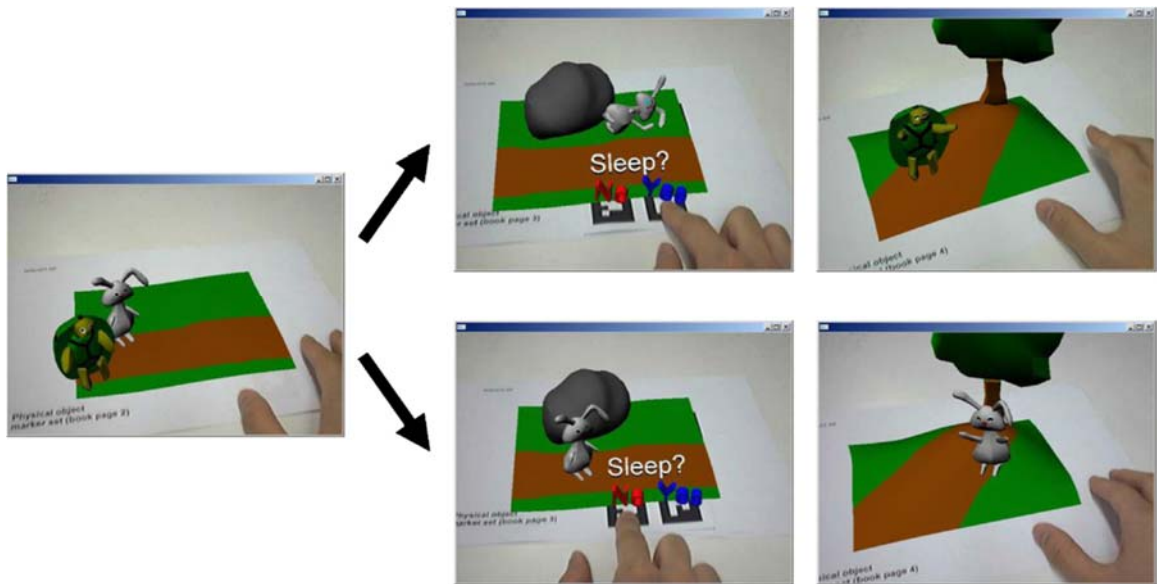


Figure 4: A tangible AR interactive story book built with iaTAR [13].

A similar tool is described by Shen and colleagues [14] which gave the ability to designers to interact with a virtual panel overlaid on real surfaces as conventional button systems like a keypad or keyboard. As the designer interacts with these buttons they perform different functions. There were two types of interaction cursors used, a physical stylus (could also be a finger) and a virtual stylus. They use occlusion based interaction where if the tip of the stylus is in the area of the button, it interacts with the button. Lee and colleagues [15] conducted experiments based on occlusion based interactive methods

with tangible AR and found that this kind of interaction enhanced the natural way of interacting with physical objects. The users were able to get instant visual feedback while they interacted with virtual buttons.

Category	Tasks and subtasks	Specialized tool (e.g. geometric modeler)	Programming text/script input	2D GUI/menu/ drag/drop	3D/immersive
Form specification	Geometric modeling	⊙	X	△	△
	(Sub) Object reconfiguration	X	△	○	⊙
	Shape modification	X	X	○	⊙
	Discrete attribute setting	X	○	⊙	△
Function specification	Scripting/programming	⊙	○	△	△
	(Self) Motion specification (animation)	⊙	X	△	△
Behavior specification/ user interaction	Scripting/programming	X	⊙	△	△
	Model-based specification	X	△	⊙	△
	(Gross) Motion specification	X	△	○	⊙
	Behavioral coordination	X	△	△	⊙
	Object to object linking	X	⊙	⊙	○
	2D interaction specification	X	○	⊙	△
Object-prop binding	3D interaction specification	X	△	△	⊙
	Object to prop binding a specific prop or real object	X	⊙	⊙	○
Scene specification	Object placement/deletion	X	X	○	⊙
	Object hierarchy specification	X	○	⊙	△
	Scene-wide settings	X	○	⊙	○
Content review	Deployment and testing objects	X	△	⊙	⊙
	Running/testing entire content	X	△	○	⊙
Miscellaneous	Version management	X	X	⊙	○
	Info. browsing/note taking	X	X	⊙	○
	Usability/presence assessment	X	X	△	⊙

⊙: most appropriate, ○: can be easily done, △: difficult, X: almost impossible.

Figure 5: Matching the authoring subtasks to four different styles of authoring interfaces: using specialized tools, programming or text input, 2D GUI, and 3D immersive interfaces [13].

The above table shows that 3D immersive authoring technique, where users use tangible AR to perform tasks was better for user interaction as compared to traditional ways of doing the same tasks. This supports the point that it enhanced the user's natural way of interacting with physical objects. This further suggests that augmented reality can be used in the development process as it can mimic the physical world and can be interacted with as if the object were real.

Lee and Park [16] also describe that rapid prototyping techniques have some limitations such as being expensive and laborious, not easily modifiable and the difficulty of representing material properties such as color and textures. They tried to improve the

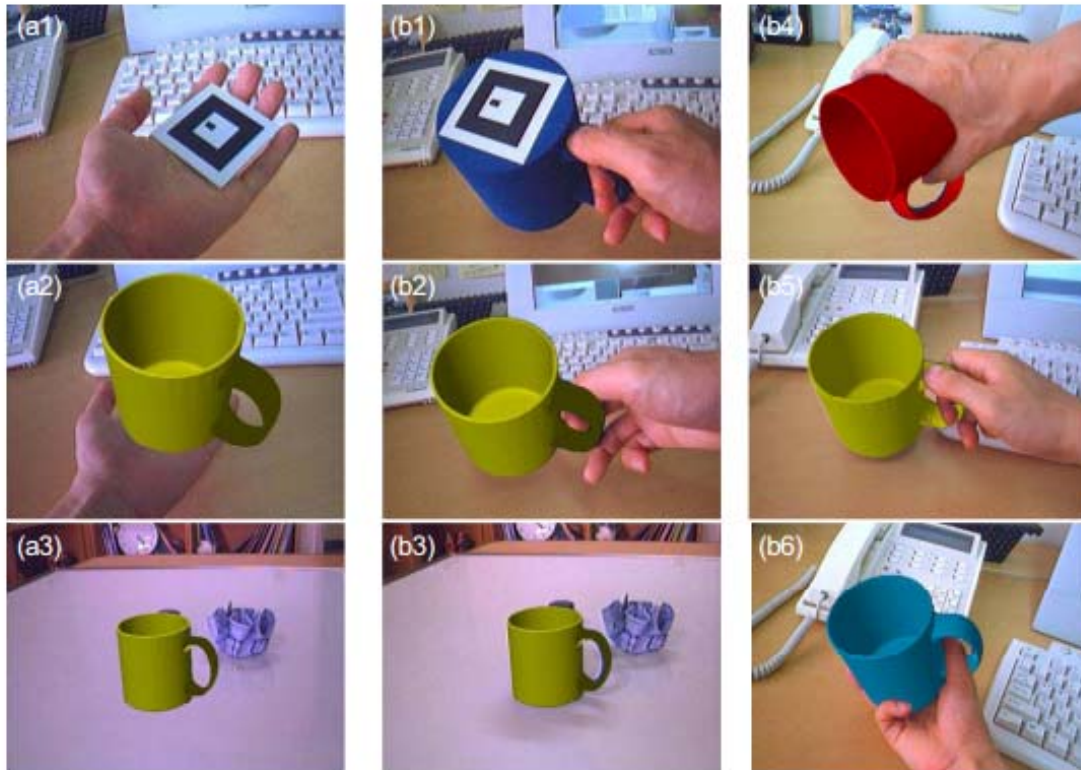


Figure 6: General-purpose AR (a1~a3) and Augmented Foam (b1~b6): (a1) Plane marker (a2) Virtual overlay on a plane marker (a3) Virtual overlay on a table, (b1) Augmented Foam without virtual overlay, (b2) Augmented Foam with virtual overlay (visibility problem), (b3) Augmented Foam on a table, (b4~b6) Augmented Foam with corrected hand visibility (various color cups).[16]

product development process by combining physical and virtual prototyping by coming up with a concept of augmented foam. Augmented foam uses AR with blue foam which is used for prototyping physical objects. A virtual 3D model was overlaid onto the physical model. This gave the user to interact with virtual model and also added tangibility to it. Experiments were conducted for a mug design and a cleaning robot where they compared the use of augmented foam with use of markers to render non-

tangible virtual 3D models. The results indicated that designers could better understand various aesthetics of the product using augmented foam.

Augmented reality is still a developing technology, but it is developed sufficiently to be used effectively in areas of product development. Tangible AR interface appears to provide a better interaction between real and virtual environments and also provide a way of naturally interacting with AR environments [12]. AR technology can also be used in is during the testing phase of the product development process. It could be a good way of conducting usability tests while the product is in early stages of development as it gives user the ability to interact with virtual objects using tangible interfaces created by a designer. Next step following this literature review was to come up with ways to compare user input using tangible AR with user input using traditional rapid prototyped models.

CHAPTER 3

METHODOLOGY

Hypothesis

This research compares traditional usability results with results from an AR representation of a product to find out whether they are different. If the two methods are significantly different, then it probably is not a tool that can be used in early usability testing. However if it is the same, then it may be possible to use AR as a lower cost substitute since it generates basically the same results.

To test the hypothesis, quantifiable data has to be gathered to ascertain whether conducting usability testing using the AR technology can be beneficial as compared to traditional usability testing. To do this there has to be a specific task that a user performs using a particular product. After the users performs that task, they will provide feedback which then will be compared for usability between traditional method and AR method.

Product for Usability Testing

The Sony Walkman NWZ-E463 [17] was used for usability testing. The reason this product was chosen was that it had a combination of tangible buttons and a responsive element in the form of a screen. Another major reason why this product was chosen was that for this study, a popular product could not be chosen because if the user already knew how to use that product, it would defeat the purpose of carrying out usability tests. There were other similar products that were looked at, like Kodak

PlaySport. The final decision to choose the product was made based on the earliest availability of the product.



Figure 7: Sony Walkman NWZ-E463.

Modeling the Product for Augmented Reality

The first step before going forward to the testing phase was to model the Sony Walkman NWZ-E463 for AR. For this purpose Layar application [18] was used. The product was modeled in a 3D modelling software which was Solidworks in this case.

After modeling the product in 3D, the Layar application was used to place the virtual model in the real environment. Marker detection technology was used to detect the marker in real environment and the 3D model that was created was placed on top of the marker when viewed through an iPad. While the users view the virtual model through an iPad, they will have the ability to interact with the object through augmented reality app on the iPad. Screen graphics were created in Adobe Photoshop. Interactivity was added through creating screen interactions in adobe Edge Animate. The Layar application has

the ability to overlay HTML on top of the 3D model. This way a user can look at the 3D model and also interact with it.



Figure 8: Four of many screens created in Adobe Photoshop.



Figure 9: Graphic that was used as marker.

A physical 3D printed model of the Sony Walkman was also created using a 3D printer. This was done so that the user has something to hold in their hand while they are interacting with the virtual product. The graphic that was used as marker was pasted on to the 3D printed model so that as users move it around they can see the virtual product move around as well.



Figure 10: Front, side and back view of 3D printed model with the marker pasted on it.

Working with Layar

Layar [18] is an IOS application which lets you view 3D models and HTML in augmented reality view. There were two stages that had to be completed in order to achieve the desired results. First, was to download and install the Layar application on an IOS device, which in this case was the Ipad Mini. The second stage was to setup the 3D model and HTML interactions. Once the 3D Solidworks model and HTML/Java Script interactions created in Adobe Edge Animate were ready, they had to be integrated together.

To integrate the two elements, Layar Creator was used. Layar Creator is an online software provided by the creators of Layar application. First, the 3D model had to be converted to a L3D format using a desktop software provided by the creators of Layar. Then the L3D file was uploaded on to the server so that it is accessible for the application. Next, a marker graphic was provided in the Layar Creator. Next, the application was tested through the IOS device. The marker was printed and put in the real

world. Then the Layar application, running on the IOS device scanned the marker. The user could then view the 3D virtual model and the HTML/Java Script interactions being overlaid on top of the marker on the iPad screen.

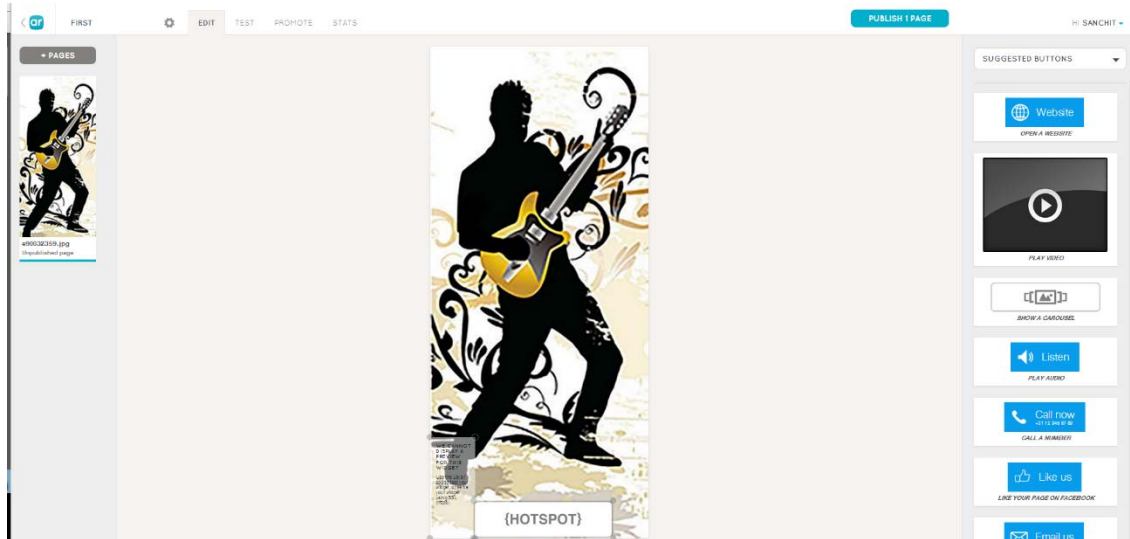


Figure 11: Screenshot of Layar Creator. [18]



Figure 12: The Layar Application detecting the marker graphic and placing the 3D model and HTML/Java Script interaction on top of 3D model.

Study Setup for users testing with AR

There were three things required for the study setup for the users testing Sony Walkman using the AR technology. These included (1) the 3D printed model with marker graphic pasted on it, (2) an iPad and (3) an iPad stand. The user would lift the 3D printed model with one hand, holding it behind the iPad (which is on a stand). The Layar application was active on the iPad so that the user could look at the virtual product through the iPad screen. The user then used his other hand to interact with the Sony Walkman using the touch screen of the iPad.

Usability Task

The usability tasks for any usability test have to be decided keeping in mind how the users would want to use that product. Also, the product needs to be thoroughly examined by the tester to find some usability issues [19]. Therefore, it was decided to choose basic tasks that a user would perform with this kind of product, for example, finding a song, playing a video, etc. While examining the product, it was found that tuning into a particular FM frequency was difficult. For this reason, it was decided that one of the tasks should be tuning into an FM frequency. The users were asked to perform the following four tasks. The study script that was read out to testers can be found in Appendix C.

Task 1: The user were told to imagine that they were going running with their Sony Walkman. They had to find a playlist that was named 'Running' and play a song of their choice from that playlist. The users were then asked to return back to the home

screen. The users were told that they were not being timed or recorded for any of the tasks.

Task 2: Next, the users were told to find a video named ‘Fifa World Cup’ and play that video and then return back to the home screen once the video had finished playing.

Task 3: For the third task, the users were asked to find a genre named ‘Rock’ and were asked to play any song in the list. Users were then asked to return back to the home screen.

Task 4: For the final task, users had to tune into FM frequency 99.7 and then return to the home screen.

Usability Testing

Usability Testing was done by 60 users. 20 of these users used the actual product for testing, 20 users used the 3D printed model with a marker card pasted on it and 20 users used just the marker card to view AR interactions. Each user did the testing individually. IRB approval obtained from Georgia Institute of Technology to conduct the study and the approved consent form can be found in Appendix A.



Figure 13: Usability testing using actual product (Non-AR, Left), 3D printed model with a marker card pasted on it (AR1, Center) and marker card (AR2, Right).

For the users that used the actual product for usability testing, it was pretty straight-forward. They held the device in their hand and performed the task mentioned above. The users that used AR method for testing the interaction used an iPad to view the AR models and then used the touch surface of the iPad to interact with the product and perform the task. After the users completed their task, they were provided with a questionnaire to provide usability feedback.



Figure 14: Usability testing using AR method.

Questionnaire

To gather feedback for the usability of the product, USE Questionnaire [20, 21] was used. This questionnaire was used because it is already widely accepted and validated

for gathering usability feedback. The same questionnaire was provided to all the users to facilitate comparison of the feedback received using the two methods.

Data Analysis

The next step was to analyze the feedback received from users. Using the exact same questionnaire for both the methods helped in comparing the feedback in a way that it was easy to identify what part of the usability testing works better using what method. After the comparison was done, it was clear whether using augmented reality for usability testing is better or provides similar results for usability tests.

Analysis started by grouping responses in a spreadsheet. Three sets of groupings were made, one for the 20 users who tested the actual product, second for the 20 users using augmented reality for usability testing which use a marker card pasted on a 3D printed model and third for 20 users that used augmented reality for usability testing just using the marker card. Responses for each question were grouped separately. Grouping the responses for each question provided with the frequency of each response and gave the answers users were tending towards. After that the answers for the three different methods of usability testing were compared.

To test whether there was a significant difference in the responses for the three groups, the Kruskal-Wallis test [22, 23] was used. The Kruskal-Wallis test calculated if there was a significance difference between the two groups. If the test showed there is no significant difference between the groups, it can be concluded that usability testing through traditional method and through augmented reality method will provide same results.

CHAPTER 4

CHALLENGES FACED WHILE SETTING UP THE STUDY

Product for Usability Testing

The Sony Walkman NWZ-E463 [17] was used for usability testing, which turned out to be a very successful product for this study. None of the users had used this product before, therefore, it eliminated any chance of the user having prior knowledge about the product that he is testing for usability.

Modeling the Product for Augmented Reality

Modeling the Sony Walkman NWZ-E463 in Solidworks was not a complex task as the form was rather easy to model. Creating screen interactions was a cumbersome process but the screens accurately represented the actual product. The final clickable screen interactions created in Adobe Edge Animate also matched the actual product. The only negative point being that the interactions were not as fast as in the real product, a result of every screen being downloaded separately from the server when a button was clicked.

A 3D printed model the Sony Walkman was also created using a 3D printer that accurately matched the size of the actual product. The appearance of the 3D printed model did not match the actual product exactly but when held in hand, it felt exactly the same.



Figure 15: Back view of the Sony Walkman NWZ-E46 and back side of the 3D printed model.

Challenges in Working with Layar

Working with Layar Creator was a bit tricky. The software did not always do what you wanted it to do but, it was the only software which has the ability to put a virtual 3D model and HTML/Java Script interaction at the same time in augmented reality.

A pilot study was conducted with 3 users to identify any potential issues that might arise while conducting subsequent testing. The interactions and virtual 3D model were working flawlessly in the end, which allowed for user testing to take place conveniently.

CHAPTER 4

DATA ANALYSIS AND RESULTS

The Use Questionnaire[21] contained 30 objective questions and 2 subjective questions. The objective questions asked the user to rate the agreement to a usability statement on a scale of one to seven. The two subjective questions asked the user to list three positive and three negative aspects of the product.

The responses given by the users were analyzed using Kruskal Wallis test [22, 23]. The next step was to analyze the feedback received from users. Each response to a question was recorded in an Excel sheet. The responses were denoted in the form of numbers ranging from one to seven. This meant that there were total of 60 responses to every question. Out of which, 20 were from users who used the actual product for usability testing 20 were from users who used AR method for usability testing and 20 were from users that used AR for usability testing only using the marker card. The responses were grouped into three groups named AR1, AR2 and Non-AR.

Kruskal-Wallis Test

There were three groups of data for each of the 30 questions. A Kruskal Wallis test was performed on every question of the three groups to determine whether the responses were similar or not. The hypothesis presented in this thesis states that using augmented reality can help get a better or similar usability feedback as compared to traditional usability testing method.

Define Null and Alternative Hypotheses

For this test a null hypothesis (H_0) is that there is a significant difference between the usability test results from the AR version of the product and the product itself. If no evidence for this is found, an alternative hypothesis (H_1) is that there will be no significant difference between the AR version of the product and the product itself. Usability testing with a physical product is considered the gold standard because the testing is done with the real, actual product. The commonly accepted understanding is that usability testing with any other representation of a product (such as a virtual one) will not be expected to give the same results. This will show that AR can be used for getting a similar usability feedback as compared to traditional methods.

H_0 ; There is a difference between groups

H_1 ; There is no difference between groups

State Alpha

$$\alpha = 0.05$$

Calculate Degrees of Freedom (F)

Degrees of freedom are calculated by subtracting 1 from the total number of groups. Therefore,

$$F = (k - 1) = (3 - 1) = 2,$$

Where 'k' represents the total number of groups being compared.

State Decision Rule

Table 1: χ^2 and Degree of freedom table to calculate critical value [24].

	P										
DF	0.995	0.975	0.20	0.10	0.05	0.025	0.02	0.01	0.005	0.002	0.001
1	0.0000393	0.000982	1.642	2.706	3.841	5.024	5.412	6.635	7.879	9.550	10.828
2	0.0100	0.0506	3.219	4.605	5.991	7.378	7.824	9.210	10.597	12.429	13.816
3	0.0717	0.216	4.642	6.251	7.815	9.348	9.837	11.345	12.838	14.796	16.266
4	0.207	0.484	5.989	7.779	9.488	11.143	11.668	13.277	14.860	16.924	18.467
5	0.412	0.831	7.289	9.236	11.070	12.833	13.388	15.086	16.750	18.907	20.515
6	0.676	1.237	8.558	10.645	12.592	14.449	15.033	16.812	18.548	20.791	22.458

As our degree of freedom is 2 and our ' α ' values is 0.05, our critical value will be 5.991. If the test statistic value (H) we calculate is lesser than 5.991, we reject the null hypothesis, stating that the groups we are comparing are basically the same. If the H value is greater than 5.991, then we will not reject the null hypothesis, meaning there is a significant difference between the groups we are comparing.

Calculate Test Statistic (H)

For the Kruskal Wallis test the data of three groups was combined together and each value was given a rank. The lowest value was given rank 1. If some values were same in the group, then an average rank was given to all those values. So, in this case where the responses of the first question are being compared, the smallest value (response) is 2. But, there are six responses whose value is 2. So, we add up the first four ranks, i.e. $1+2+3+4+5+6=21$ and then assign the average of this sum which is 3.5 in this case to all the values that are 2.

Table 2: Responses and ranks assigned for question 1 of the questionnaire.

	Q1	Rank		Q1	Rank		Q1	Rank
Non-AR			AR 1			AR2		
User 1	3.0	14.5		6.0	56.5		5.0	44.0
User 2	2.0	3.5		5.0	44.0		5.0	44.0
User 3	3.0	14.5		5.0	44.0		5.0	44.0
User 4	2.0	3.5		4.0	29.0		4.0	29.0
User 5	5.0	44.0		4.0	29.0		4.0	29.0
User 6	4.0	29.0		6.0	56.5		3.0	14.5
User 7	3.0	14.5		3.0	14.5		3.0	14.5
User 8	5.0	44.0		6.0	56.5		6.0	56.5
User 9	6.0	56.5		4.0	29.0		4.0	29.0
User 10	4.0	29.0		3.0	14.5		3.0	14.5
User 11	6.0	56.5		3.0	14.5		3.0	14.5
User 12	6.0	56.5		2.0	3.5		2.0	3.5
User 13	5.0	44.0		2.0	3.5		2.0	3.5
User 14	6.0	56.5		3.0	14.5		3.0	14.5
User 15	4.0	29.0		3.0	14.5		3.0	14.5
User 16	5.0	44.0		5.0	44.0		5.0	44.0
User 17	4.0	29.0		3.0	14.5		3.0	14.5
User 18	4.0	29.0		5.0	44.0		5.0	44.0
User 19	5.0	44.0		5.0	44.0		5.0	44.0
User 20	5.0	44.0		4.0	29.0		4.0	29.0

Now, the three groups of ranks were used for further calculations. The original data of responses given by users was ignored after this point.

The test static was calculated using the following formula,

$$H = \frac{12}{N(N+1)} \left(\sum \frac{T_i^2}{n} \right) - 3(N+1)$$

Where ‘H’ represents the test statistic, ‘N’ represents the total number of values when the groups are combined, which in this case is 60. ‘T’ represents the total sum on ranks of each group, which are 685.5, 599.5 and 545. ‘n’ represents the number of values in each group, which is 20 in this case.

Table 3: Table of ranks assigned to responses for question 1 of the questionnaire.

	Rank		Rank		Rank
	Non-AR		AR 1		AR2
	14.5		56.5		44.0
	3.5		44.0		44.0
	14.5		44.0		44.0
	3.5		29.0		29.0
	44.0		29.0		29.0
	29.0		56.5		14.5
	14.5		14.5		14.5
	44.0		56.5		56.5
	56.5		29.0		29.0
	29.0		14.5		14.5
	56.5		14.5		14.5
	56.5		3.5		3.5
	44.0		3.5		3.5
	56.5		14.5		14.5
	29.0		14.5		14.5
	44.0		44.0		44.0
	29.0		14.5		14.5
	29.0		44.0		44.0
	44.0		44.0		44.0
	44.0		29.0		29.0
Rank Tota	685.5		599.5		545.0

$$\text{So, } H = \frac{12}{60(60+1)} \left(\frac{(685.5)^2}{20} + \frac{(599.5)^2}{20} + \frac{(545)^2}{20} \right) - 3(60 + 1) = 1.645.$$

So, test statistic (H) is equal to 1.645, which was lesser than our critical value, 5.991. That meant the null hypothesis (H_0) was be rejected and the three groups of data were basically the same.

The same procedure was performed for all the 30 questions and the results received can be found in Appendix D. The questionnaire responses can be found in Appendix G and Appendix H.

The results show that there were no questions out of 30 whose H value was greater than 5.991, which meant that the responses to those questions were similar between the three groups.

In addition to the analysis done above, the data was also analyzed in a different manner. The Use questionnaire divides the 30 questions into four categories which are (1) usefulness (8 questions), (2) ease of use (11 questions), (3) ease of learning (4 questions) and (4) satisfaction (7 questions)[21]. The average score for each category per user was calculated. That is, for usefulness, the responses of 8 questions for each user were averaged, for ease of use, the responses of 11 questions for each user were averaged and so on. Once each user's responses were calculated, there were 60 different average values for each category. 20 of which were for users that used the traditional or non-AR method for usability testing and the other 40 were for users that user AR method for usability testing. The Kruskal Wallis test was applied to each of the four categories with resulting scores being compared for similarity. The results can be viewed in Appendix E.

Result

The results for category comparison were all positive. All H values were below the critical value of 5.991. Therefore, the alternate hypothesis holds true, i.e. the data gathered using AR is not significantly different from the data gathered using traditional method of usability testing.

CHAPTER 5

CONCLUSION

Reflection on the Results

The usability testing on Sony Walkman NWZ-E463 was done using three methods. 20 users tested the product using traditional usability testing methodology, using the actual product and completing certain tasks and then giving their feedback using a questionnaire. The second method involved using augmented reality for usability testing. 20 of the users used this method for testing using a 3D printed product and 20 using just the marker card. The Kruskal Wallis test was applied to each of the 20 questions and tested for similarity. The results clearly indicate that there was no significant difference between the data gathered using the methods. The test statistic was lesser than the critical value for all the questions indicating that the responses for those 30 questions were similar for three methods of usability testing.

In addition to that, analysis was also done for the four categories (Usefulness, Ease of use, Ease of learning and Satisfaction). The Kruskal Wallis test revealed that the responses for those categories were similar among the three methods.

With the above results, it was concluded that the described method of using augmented reality for usability testing would be successful in providing similar usability results as compared to traditional usability tests keeping in mind certain limitations discussed later.

Significance of the Study

Every year companies spend a lot of money developing new products [1, 2]. Companies like Google and Microsoft spend 5-10 billion US dollars every year on research and development [3]. A new product development (NPD) cycle involves five steps (Exploration and screening, Business analysis, Product development and Testing, Commercialization). Product development and Testing use 54 % of the resources [4]. Product Development and testing could be further divided in to the following phases[25]:

1. Using an Iterative, Cyclical Design Process
2. Envisioning Phase
3. Planning Phase
4. Developing Phase
5. Stabilizing Phase
6. Preparing for the Next Version

The last two stages could in particular benefit from AR. The Stabilizing phase refers to the point in time the when development ends and small issues are fixed to create a final product for shipment. The usability testing in this phase is done to fine-tune the final product. This is a big step forward coming from the development phase. If there are major issues in this phase then it would cost the company 10 times more to fix the issue than during the development stage. The companies could use the AR product in the stabilizing phase rather than using the actual product. That way, if they find some problems, major or minor, could be fixed by just tweaking the 3D digital model and HTML interactions.

In the last stage companies prepare for the next version of the product where the same development and testing process is repeated. This process could really benefit from the AR technology if the next version is a mere update or a minor adjustment to the original product. The developers could tweak the AR model according to the needs of the newer version and test it again.

Once a product is in development, it costs 10 times more to fix a problem than during design and once the product has been released it costs 100 times more to fix a problem than in design [1]. These costs could be reduced by 10 times if there was a way to perform usability tests without developing the actual product that is, doing usability testing on a virtual product. In this case if there are issues with the usability of a product, all that needs to be done is changing the virtual model so that another round of testing can be performed. These costs can be reduced by using augmented reality for usability testing.

Limitations of the Study

While the study produced successful results, it had some limitations. The results of this study potentially only apply to products with interactive screens and controls. The described AR method might not be a good approach for form development or for products which do not have interactive screen elements. However, further study would be necessary to confirm the usefulness of AR for other types of products. Also, using an iPad to view augmented reality interactions, somewhat limits the size of the product that can be tested. For example, it would not be a good method for testing something like a vending machine.

The users chosen for testing in this study were all college students, which is not a diverse demographic. This study might produce totally different results with older adults assuming they might not be as familiar with using an iPad as college students.

Performing usability tasks with a portable music player might be relatively easy for users who regularly use products like these. They have an inherent knowledge how these type of devices work. While, for users who have never or rarely used a portable music player, it might more difficult to complete the task. This would mean that the data gathered is either incorrect or insufficient. Conversely, if a user has extensive experience with other portable music players, he would compare the product he is testing with the ones used before. In such instances if the product being testing is being compared with an excellent product, the usability feedback would always be negative. While, for someone who has never used a music player, the product being tested might be the best product ever. Eliminating these types of biases is very difficult.

The described AR method uses touch screen of an iPad to perform interaction, which might be a hindrance. Users do not get to know how the product will feel in their hands while using the product.

Future Work

The next steps of this study would involve eliminating one of the major limitations of the study. Currently, in the method described, the users use the touch screen of an iPad to perform the interactions. It would be much better if the users were able to use the 3D printed model itself to do the interactions and use the iPad or any other device just to view those interactions. This could be achieved by making the user wear

colored markers on their fingers and have software that has the ability to detect those markers and react to the positions of the markers. This approach would be a more natural way of interacting with a product and might provide better results.

APPENDIX A

IRB CONSENT FORM

CONSENT DOCUMENT FOR ENROLLING ADULT PARTICIPANTS IN A RESEARCH STUDY

Georgia Institute of Technology

Project Title: Exploring Benefits of Using Augmented Reality for Usability Testing

Investigators: Dr. Young Mi Choi, Ph.D. and Sanchit Mittal

Protocol and Consent Title: Consent for participation in a study that explores different methods of usability testing. (Main 01/07/2014)

You are being asked to be a volunteer in a research study.

Purpose:

- The purpose of this study is to explore if augmented reality can be beneficial in the usability testing process. This study will specifically explore if AR can be used to get better usability input. This research might provide results that would provide evidence that AR can be good for usability testing and help product developers understand the benefits of using AR in product design. We expect to enroll 60 people in this study.

Exclusion/Inclusion Criteria:

- Participants in this study must be over 18 years of age and must be students of College of Architecture at Georgia Institute of Technology.

Procedures:

- You will be randomly, by chance, assigned to one of 3 groups of 20 users each. Each group will represent a different method of usability testing.
- If you decide to be in this study, your part will involve only one visit of not more than one and a half hour. Firstly, you will be doing usability testing of a music player that we will provide you. You will be asked to perform a particular task using that device. The task will be to interact with some basic features of the product, for example, finding a song in

the playlist and playing it. This process will take about 30 minutes. Second part would be answering a questionnaire about usability of the product, which will take about 15 minutes to fill out. Remember, you may stop at any time. You will not be video/audio taped at any time.

Risks or Discomforts:

- The risks involved are no greater than those involved in using a hand held music player.

Benefits:

- You are not likely to benefit in any way from joining this study. We hope that what we learn will someday help designers develop products in a cost effective manner.

Compensation to You:

- There is no compensation for participation.

Confidentiality:

- The following procedures will be followed to keep your personal information confidential in this study: The data collected about you will be kept private to the extent allowed by law. To protect your privacy, your records will be kept under a code number rather than by name. Your records will be kept in locked files and only the researchers involved in this study will be allowed to look at them. Your name and any other fact that might point to you will not appear when results of this study are presented or published. Your privacy will be protected to the extent allowed by law. To make sure that this research is being carried out in the proper way, the Georgia Institute of Technology IRB may review study records. The Office of Human Research Protections may also look over study records during required reviews.

Costs to You:

- There are no costs to you, other than your time, for being in this study.

Participant Rights:

- Your participation in this study is voluntary. You do not have to be in this study if you don't want to be.
- You have the right to change your mind and leave the study at any time without giving any reason and without penalty.

- Any new information that may make you change your mind about being in this study will be given to you.
- You will be given a copy of this consent form to keep.
- You do not waive any of your legal rights by signing this consent form.

Questions about the Study:

- If you have any questions about the study, you may contact Dr. Young Mi Choi at telephone (404) 277-2748 or Christina.Choi@gatech.edu.

Questions about Your Rights as a Research Participant:

If you have any questions about your rights as a research participant, you may contact

Ms. Melanie Clark, Georgia Institute of Technology
Office of Research Integrity Assurance, at (404) 894-6942.

If you sign below, it means that you have read (or have had read to you) the information given in this consent form, and you would like to be a volunteer in this study.

Participant Name (printed)

Participant Signature

Date

Signature of Person Obtaining Consent

Date

APPENDIX B

RECRUITMENT SCRIPT

Hello, my name is Sanchit Mittal. I am a graduate student at Georgia Institute of Technology in the School of Industrial Design. I am conducting a research on exploring the benefits of using augmented reality for usability testing. I am approaching you because your help will be greatly appreciated as you are from a product design field.

Participating in this research includes performing a usability task for a product, which will take approximately 30 minutes. After performing the task you will be asked to fill out a usability questionnaire based on the task you performed. The questionnaire will have 32 questions and will take around 15 minutes to answer. Your total time commitment will be between 60 – 90 minutes.

Your participation will be strictly confidential. I will not share your identity or anything we discuss with anyone except my co-investigator without your permission.

If you are willing to participate, please respond with a date and time to meet.

If you have any questions or concerns about this request, feel free to contact me at smittal32@gatech.edu, Ph.: (404) 988 0839.

APPENDIX C

STUDY SCRIPT

STUDY SCRIPT

Explaining the Study:

“The purpose of this study is to explore if augmented reality can be beneficial in the usability testing process. This study will specifically explore if AR can be used to get better usability input. This research might provide results that would provide evidence that AR can be good for usability testing and help product developers understand the benefits of using AR in product design.”

Overview of what subject will be asked to do:

“If you decide to be in this study, your part will involve only one visit of not more than one and a half hour. Firstly, you will be doing usability testing of a music player that we will provide you. You will be asked to perform particular tasks using that device. The task will be to interact with some basic features of the product, for example, finding a song in the playlist and playing it. This process will take about 30 minutes. Second part would be answering a questionnaire about usability of the product, which will take about 15 minutes to fill out. Remember, you may stop at any time. You will not be video/audio taped at any time.”

“There is no compensation for participation”

Handing out consent form:

“You need to carefully read this consent form and sign it at the end if you agree to participate in the study”

For subjects testing actual product (Non-AR):

“I will hand you the Sony Walkman NWZ-E463 and you will be asked to perform a series of three tasks.”

Task 1

“Imagine you are going running with your Sony Walkman. You need to find a playlist that is named ‘Running’ and play a song of your choice from that playlist. Remember, you are not being timed or recorded for any of the tasks, so take your time and relax”

Task 2

“Now, that you have successfully completed your first task lets go on to the next one. You have to play a video named ‘Fifa World Cup South Africa’ saved in the device. Once you play that video you need to come back to the home screen”

Task 3

“Let’s move on to the 3rd task. You have to find songs of the genre names ‘Rock’ and play a song in that list. After doing that you have to go back to the home screen.”

Task 4

“Now, let’s go on to our final task. You have to tune into the FM frequency 99.7.”

For subjects testing AR method using 3D printed model (AR1):

“I will hand you a 3D printed model of Sony Walkman NWZ-E463. You will be looking at the model through an iPad. You will use the touch interface of the iPad to perform a series of three tasks.”

Task 1

“Imagine you are going running with your Sony Walkman. You need to find a playlist that is named ‘Running’ and play a song of your choice from that playlist. Remember, you are not being timed or recorded for any of the tasks, so take your time and relax”

Task 2

“Now, that you have successfully completed your first task lets go on to the next one. You have to play a video named ‘Fifa World Cup South Africa’ saved in the device. Once you play that video you need to come back to the home screen”

Task 3

“Let’s move on to the 3rd task. You have to find songs of the genre names ‘Rock’ and play a song in that list. After doing that you have to go back to the home screen.”

Task 4

“Now, let’s go on to our final task. You have to tune into the FM frequency 99.7.”

For subjects testing AR method using Marker Card (AR2):

“I will hand you a cars with some graphic printed on it. You will be looking at the model through an iPad. You will use the touch interface of the iPad to perform a series of three tasks.”

Task 1

“Imagine you are going running with your Sony Walkman. You need to find a playlist that is named ‘Running’ and play a song of your choice from that playlist. Remember, you are not being timed or recorded for any of the tasks, so take your time and relax”

Task 2

“Now, that you have successfully completed your first task lets go on to the next one. You have to play a video named ‘Fifa World Cup South Africa’ saved in the device. Once you play that video you need to come back to the home screen”

Task 3

“Let’s move on to the 3rd task. You have to find songs of the genre names ‘Rock’ and play a song in that list. After doing that you have to go back to the home screen.”

Task 4

“Now, let’s go on to our final task. You have to tune into the FM frequency 99.7.”

After completing the tasks:

“I am handing you a questionnaire which contains 30 questions. These questions are about the usability of the Sony Walkman. Please try to answer them based on your experience of using the product. Take as much time you need to answer the questions.”

Collect the feedback from them and thank them:

“Thank you so much for participating in this study and providing your valuable feedback. If you have any questions you can contact me. Have a nice day ahead.”

APPENDIX D

QUESTION WISE DATA ANALYSIS

Table 4: Responses and ranks assigner for question 1-5 of the questionnaire and calculation of the test statistic (H)

Non-AR	Q1	Rank	Q2	Rank	Q3	Rank	Q4	Rank	Q5	Rank
User 1	3.0	14.5	3.0	19.0	4.0	14.0	4.0	30.0	4.0	29.5
User 2	2.0	3.5	2.0	7.0	2.0	2.0	2.0	8.5	1.0	2.0
User 3	3.0	14.5	2.0	7.0	5.0	32.5	2.0	8.5	5.0	43.5
User 4	2.0	3.5	2.0	7.0	5.0	32.5	3.0	18.5	1.0	2.0
User 5	5.0	44.0	4.0	33.0	7.0	58.5	5.0	43.5	5.0	43.5
User 6	4.0	29.0	4.0	33.0	5.0	32.5	4.0	30.0	4.0	29.5
User 7	3.0	14.5	2.0	7.0	5.0	32.5	4.0	30.0	4.0	29.5
User 8	5.0	44.0	5.0	47.0	5.0	32.5	5.0	43.5	6.0	55.0
User 9	6.0	56.5	6.0	56.0	5.0	32.5	5.0	43.5	3.0	18.0
User 10	4.0	29.0	5.0	47.0	5.0	32.5	5.0	43.5	4.0	29.5
User 11	6.0	56.5	6.0	56.0	6.0	50.5	4.0	30.0	4.0	29.5
User 12	6.0	56.5	6.0	56.0	7.0	58.5	6.0	55.5	7.0	59.0
User 13	5.0	44.0	4.0	33.0	6.0	50.5	4.0	30.0	3.0	18.0
User 14	6.0	56.5	7.0	60.0	7.0	58.5	4.0	30.0	5.0	43.5
User 15	4.0	29.0	4.0	33.0	4.0	14.0	3.0	18.5	2.0	7.5
User 16	5.0	44.0	5.0	47.0	5.0	32.5	3.0	18.5	3.0	18.0
User 17	4.0	29.0	4.0	33.0	6.0	50.5	2.0	8.5	2.0	7.5
User 18	4.0	29.0	2.0	7.0	6.0	50.5	5.0	43.5	5.0	43.5
User 19	5.0	44.0	3.0	19.0	5.0	32.5	1.0	2.0	1.0	2.0
User 20	5.0	44.0	5.0	47.0	5.0	32.5	2.0	8.5	3.0	18.0
AR 1								#N/A		#N/A
User 1	6.0	56.5	5.0	47.0	5.0	32.5	3.0	18.5	3.0	18.0
User 2	5.0	44.0	3.0	19.0	6.0	50.5	4.0	30.0	5.0	43.5
User 3	5.0	44.0	4.0	33.0	5.0	32.5	6.0	55.5	6.0	55.0
User 4	4.0	29.0	5.0	47.0	6.0	50.5	6.0	55.5	4.0	29.5
User 5	4.0	29.0	2.0	7.0	5.0	32.5	2.0	8.5	2.0	7.5
User 6	6.0	56.5	6.0	56.0	7.0	58.5	6.0	55.5	5.0	43.5
User 7	3.0	14.5	3.0	19.0	3.0	5.5	3.0	18.5	3.0	18.0
User 8	6.0	56.5	5.0	47.0	5.0	32.5	5.0	43.5	5.0	43.5
User 9	4.0	29.0	4.0	33.0	6.0	50.5	5.0	43.5	7.0	59.0
User 10	3.0	14.5	3.0	19.0	4.0	14.0	3.0	18.5	4.0	29.5
User 11	3.0	14.5	2.0	7.0	3.0	5.5	2.0	8.5	2.0	7.5
User 12	2.0	3.5	3.0	19.0	4.0	14.0	2.0	8.5	3.0	18.0
User 13	2.0	3.5	2.0	7.0	6.0	50.5	1.0	2.0	2.0	7.5
User 14	3.0	14.5	3.0	19.0	2.0	2.0	4.0	30.0	3.0	18.0
User 15	3.0	14.5	4.0	33.0	5.0	32.5	5.0	43.5	4.0	29.5
User 16	5.0	44.0	4.0	33.0	4.0	14.0	5.0	43.5	5.0	43.5
User 17	3.0	14.5	2.0	7.0	4.0	14.0	5.0	43.5	3.0	18.0
User 18	5.0	44.0	4.0	33.0	5.0	32.5	3.0	18.5	5.0	43.5
User 19	5.0	44.0	5.0	47.0	6.0	50.5	4.0	30.0	5.0	43.5
User 20	4.0	29.0	6.0	56.0	5.0	32.5	6.0	55.5	6.0	55.0

AR2										
User 1	5.0	44.0	6.0	56.0	5.0	32.5	4.0	30.0	5.0	43.5
User 2	5.0	44.0	5.0	47.0	4.0	14.0	4.0	30.0	4.0	29.5
User 3	5.0	44.0	4.0	33.0	5.0	32.5	6.0	55.5	6.0	55.0
User 4	4.0	29.0	4.0	33.0	4.0	14.0	5.0	43.5	5.0	43.5
User 5	4.0	29.0	2.0	7.0	5.0	32.5	2.0	8.5	2.0	7.5
User 6	3.0	14.5	4.0	33.0	5.0	32.5	6.0	55.5	5.0	43.5
User 7	3.0	14.5	3.0	19.0	2.0	2.0	3.0	18.5	3.0	18.0
User 8	6.0	56.5	5.0	47.0	5.0	32.5	5.0	43.5	5.0	43.5
User 9	4.0	29.0	4.0	33.0	6.0	50.5	6.0	55.5	7.0	59.0
User 10	3.0	14.5	3.0	19.0	4.0	14.0	3.0	18.5	4.0	29.5
User 11	3.0	14.5	2.0	7.0	3.0	5.5	2.0	8.5	2.0	7.5
User 12	2.0	3.5	3.0	19.0	4.0	14.0	2.0	8.5	3.0	18.0
User 13	2.0	3.5	2.0	7.0	6.0	50.5	1.0	2.0	2.0	7.5
User 14	3.0	14.5	3.0	19.0	3.0	5.5	4.0	30.0	3.0	18.0
User 15	3.0	14.5	4.0	33.0	5.0	32.5	5.0	43.5	5.0	43.5
User 16	5.0	44.0	4.0	33.0	4.0	14.0	6.0	55.5	5.0	43.5
User 17	3.0	14.5	2.0	7.0	4.0	14.0	6.0	55.5	3.0	18.0
User 18	5.0	44.0	4.0	33.0	5.0	32.5	3.0	18.5	5.0	43.5
User 19	5.0	44.0	5.0	47.0	6.0	50.5	4.0	30.0	5.0	43.5
User 20	4.0	29.0	6.0	56.0	4.0	14.0	5.0	43.5	6.0	55.0
Total of Non AR User	685.5		654		732.5		544.5		528.5	
Total of AR(1) Users	599.5		588		607.5		631		631	
Total of AR(2) Users	545.0		588.0		490.0		654.5		670.5	
n	20		20		20		20		20	
N	60		60		60		60		60	
Test Statistic(H)	1.645		0.476		4.822		1.100		1.761	

Table 5: Responses and ranks assigner for question 6-10 of the questionnaire and calculation of the test statistic (H)

Non-AR	Q6	Rank	Q7	Rank	Q8	Rank	Q9	Rank	Q10	Rank
User 1	5.0	48.5	5.0	31.0	3.0	6.0	2.0	2.0	4.0	10.5
User 2	2.0	8.0	1.0	2.0	6.0	43.0	7.0	56.0	5.0	24.0
User 3	2.0	8.0	4.0	20.0	5.0	26.0	3.0	6.0	4.0	10.5
User 4	2.0	8.0	2.0	7.0	4.0	12.0	5.0	25.5	5.0	24.0
User 5	4.0	33.0	5.0	31.0	6.0	43.0	6.0	42.5	6.0	44.5
User 6	5.0	48.5	5.0	31.0	5.0	26.0	6.0	42.5	6.0	44.5
User 7	4.0	33.0	3.0	13.5	4.0	12.0	3.0	6.0	3.0	3.5
User 8	5.0	48.5	6.0	47.5	6.0	43.0	6.0	42.5	6.0	44.5
User 9	6.0	58.5	6.0	47.5	6.0	43.0	4.0	13.0	5.0	24.0
User 10	2.0	8.0	2.0	7.0	3.0	6.0	5.0	25.5	5.0	24.0
User 11	4.0	33.0	4.0	20.0	7.0	55.5	5.0	25.5	6.0	44.5
User 12	6.0	58.5	6.0	47.5	6.0	43.0	6.0	42.5	7.0	58.0
User 13	4.0	33.0	2.0	7.0	2.0	3.0	7.0	56.0	7.0	58.0
User 14	3.0	20.0	5.0	31.0	7.0	55.5	7.0	56.0	6.0	44.5
User 15	2.0	8.0	5.0	31.0	7.0	55.5	7.0	56.0	6.0	44.5
User 16	3.0	20.0	6.0	47.5	7.0	55.5	5.0	25.5	3.0	3.5
User 17	5.0	48.5	7.0	58.5	7.0	55.5	7.0	56.0	5.0	24.0
User 18	3.0	20.0	1.0	2.0	1.0	1.0	3.0	6.0	3.0	3.5
User 19	1.0	1.0	1.0	2.0	6.0	43.0	6.0	42.5	5.0	24.0
User 20	3.0	20.0	6.0	47.5	6.0	43.0	6.0	42.5	6.0	44.5
AR 1										
User 1	5.0	48.5	4.0	20.0	3.0	6.0	6.0	42.5	6.0	44.5
User 2	4.0	33.0	5.0	31.0	5.0	26.0	5.0	25.5	3.0	3.5
User 3	5.0	48.5	6.0	47.5	5.0	26.0	6.0	42.5	7.0	58.0
User 4	4.0	33.0	6.0	47.5	5.0	26.0	6.0	42.5	6.0	44.5
User 5	2.0	8.0	2.0	7.0	4.0	12.0	5.0	25.5	5.0	24.0
User 6	5.0	48.5	6.0	47.5	6.0	43.0	6.0	42.5	6.0	44.5
User 7	4.0	33.0	4.0	20.0	4.0	12.0	4.0	13.0	5.0	24.0
User 8	5.0	48.5	6.0	47.5	5.0	26.0	6.0	42.5	6.0	44.5
User 9	6.0	58.5	5.0	31.0	4.0	12.0	4.0	13.0	6.0	44.5
User 10	4.0	33.0	5.0	31.0	4.0	12.0	7.0	56.0	6.0	44.5
User 11	2.0	8.0	3.0	13.5	2.0	3.0	2.0	2.0	4.0	10.5
User 12	3.0	20.0	4.0	20.0	6.0	43.0	4.0	13.0	4.0	10.5
User 13	2.0	8.0	7.0	58.5	7.0	55.5	5.0	25.5	6.0	44.5
User 14	2.0	8.0	2.0	7.0	5.0	26.0	4.0	13.0	3.0	3.5
User 15	3.0	20.0	3.0	13.5	6.0	43.0	5.0	25.5	5.0	24.0
User 16	5.0	48.5	5.0	31.0	5.0	26.0	5.0	25.5	5.0	24.0
User 17	3.0	20.0	6.0	47.5	7.0	55.5	3.0	6.0	4.0	10.5
User 18	4.0	33.0	6.0	47.5	5.0	26.0	6.0	42.5	5.0	24.0
User 19	4.0	33.0	7.0	58.5	6.0	43.0	6.0	42.5	6.0	44.5
User 20	5.0	48.5	5.0	31.0	5.0	26.0	7.0	56.0	7.0	58.0
AR2										
User 1	5.0	48.5	6.0	47.5	7.0	55.5	6.0	42.5	6.0	44.5
User 2	4.0	33.0	6.0	47.5	5.0	26.0	5.0	25.5	5.0	24.0
User 3	5.0	48.5	6.0	47.5	5.0	26.0	6.0	42.5	7.0	58.0
User 4	5.0	48.5	5.0	31.0	5.0	26.0	5.0	25.5	5.0	24.0
User 5	2.0	8.0	2.0	7.0	4.0	12.0	5.0	25.5	5.0	24.0
User 6	3.0	20.0	3.0	13.5	6.0	43.0	5.0	25.5	5.0	24.0
User 7	4.0	33.0	4.0	20.0	4.0	12.0	4.0	13.0	5.0	24.0
User 8	5.0	48.5	6.0	47.5	5.0	26.0	6.0	42.5	6.0	44.5
User 9	6.0	58.5	5.0	31.0	4.0	12.0	4.0	13.0	6.0	44.5
User 10	4.0	33.0	5.0	31.0	5.0	26.0	7.0	56.0	6.0	44.5
User 11	3.0	20.0	3.0	13.5	2.0	3.0	2.0	2.0	4.0	10.5
User 12	3.0	20.0	4.0	20.0	6.0	43.0	3.0	6.0	4.0	10.5
User 13	2.0	8.0	6.0	47.5	7.0	55.5	5.0	25.5	5.0	24.0
User 14	2.0	8.0	2.0	7.0	5.0	26.0	5.0	25.5	3.0	3.5
User 15	3.0	20.0	3.0	13.5	6.0	43.0	5.0	25.5	6.0	44.5
User 16	5.0	48.5	7.0	58.5	5.0	26.0	4.0	13.0	5.0	24.0
User 17	2.0	8.0	6.0	47.5	7.0	55.5	4.0	13.0	4.0	10.5
User 18	4.0	33.0	6.0	47.5	5.0	26.0	6.0	42.5	5.0	24.0
User 19	4.0	33.0	5.0	31.0	5.0	26.0	6.0	42.5	6.0	44.5
User 20	5.0	48.5	5.0	31.0	6.0	43.0	7.0	56.0	6.0	44.5
Total of Non AR User		564		531.5		670.5		670		603
Total of AR(1) Users		639.5		658		548		597		630.5
Total of AR(2) Users		626.5		640.5		611.5		563.0		596.5
n		20		20		20		20		20
N		60		60		60		60		60
Test Statistic(H)		0.534		1.540		1.231		0.980		0.107

Table 6: Responses and ranks assigner for question 11-15 of the questionnaire and calculation of the test statistic (H)

Non-AR	Q11	Rank	Q12	Rank	Q13	Rank	Q14	Rank	Q15	Rank
User 1	4.0	16.5	4.0	28.5	4.0	32.0	4.0	29.5	2.0	1.0
User 2	5.0	32.5	4.0	28.5	2.0	5.0	3.0	17.0	6.0	27.0
User 3	3.0	5.5	2.0	12.0	5.0	51.5	2.0	6.0	5.0	11.5
User 4	4.0	16.5	4.0	28.5	3.0	14.0	5.0	42.5	6.0	27.0
User 5	5.0	32.5	5.0	39.5	3.0	14.0	4.0	29.5	7.0	48.5
User 6	6.0	49.0	3.0	21.5	4.0	32.0	4.0	29.5	7.0	48.5
User 7	2.0	1.0	1.0	3.5	3.0	14.0	2.0	6.0	3.0	2.0
User 8	6.0	49.0	5.0	39.5	5.0	51.5	6.0	53.5	7.0	48.5
User 9	5.0	32.5	6.0	54.0	4.0	32.0	4.0	29.5	4.0	4.0
User 10	3.0	5.5	1.0	3.5	3.0	14.0	3.0	17.0	5.0	11.5
User 11	6.0	49.0	1.0	3.5	2.0	5.0	3.0	17.0	7.0	48.5
User 12	6.0	49.0	4.0	28.5	5.0	51.5	5.0	42.5	6.0	27.0
User 13	7.0	58.5	6.0	54.0	5.0	51.5	6.0	53.5	7.0	48.5
User 14	6.0	49.0	3.0	21.5	3.0	14.0	4.0	29.5	7.0	48.5
User 15	7.0	58.5	2.0	12.0	3.0	14.0	5.0	42.5	7.0	48.5
User 16	3.0	5.5	2.0	12.0	4.0	32.0	2.0	6.0	6.0	27.0
User 17	5.0	32.5	2.0	12.0	4.0	32.0	6.0	53.5	7.0	48.5
User 18	4.0	16.5	1.0	3.5	1.0	1.0	2.0	6.0	6.0	27.0
User 19	6.0	49.0	6.0	54.0	4.0	32.0	4.0	29.5	7.0	48.5
User 20	5.0	32.5	4.0	28.5	4.0	32.0	5.0	42.5	6.0	27.0
AR 1										
User 1	5.0	32.5	4.0	28.5	4.0	32.0	3.0	17.0	6.0	27.0
User 2	4.0	16.5	2.0	12.0	4.0	32.0	2.0	6.0	5.0	11.5
User 3	4.0	16.5	5.0	39.5	5.0	51.5	5.0	42.5	7.0	48.5
User 4	3.0	5.5	5.0	39.5	4.0	32.0	5.0	42.5	6.0	27.0
User 5	5.0	32.5	6.0	54.0	4.0	32.0	3.0	17.0	7.0	48.5
User 6	6.0	49.0	6.0	54.0	5.0	51.5	6.0	53.5	7.0	48.5
User 7	4.0	16.5	6.0	54.0	4.0	32.0	5.0	42.5	5.0	11.5
User 8	6.0	49.0	5.0	39.5	4.0	32.0	6.0	53.5	6.0	27.0
User 9	5.0	32.5	3.0	21.5	6.0	59.5	4.0	29.5	6.0	27.0
User 10	6.0	49.0	5.0	39.5	5.0	51.5	6.0	53.5	6.0	27.0
User 11	3.0	5.5	2.0	12.0	2.0	5.0	3.0	17.0	5.0	11.5
User 12	3.0	5.5	3.0	21.5	3.0	14.0	3.0	17.0	5.0	11.5
User 13	5.0	32.5	2.0	12.0	5.0	51.5	2.0	6.0	6.0	27.0
User 14	4.0	16.5	2.0	12.0	4.0	32.0	2.0	6.0	4.0	4.0
User 15	4.0	16.5	1.0	3.5	4.0	32.0	2.0	6.0	5.0	11.5
User 16	5.0	32.5	5.0	39.5	2.0	5.0	4.0	29.5	6.0	27.0
User 17	7.0	58.5	3.0	21.5	5.0	51.5	4.0	29.5	7.0	48.5
User 18	5.0	32.5	5.0	39.5	4.0	32.0	5.0	42.5	7.0	48.5
User 19	4.0	16.5	5.0	39.5	3.0	14.0	6.0	53.5	7.0	48.5
User 20	6.0	49.0	6.0	54.0	4.0	32.0	7.0	59.5	7.0	48.5
AR2										
User 1	6.0	49.0	6.0	54.0	3.0	14.0	5.0	42.5	7.0	48.5
User 2	5.0	32.5	5.0	39.5	4.0	32.0	4.0	29.5	7.0	48.5
User 3	4.0	16.5	5.0	39.5	5.0	51.5	5.0	42.5	7.0	48.5
User 4	6.0	49.0	6.0	54.0	2.0	5.0	4.0	29.5	6.0	27.0
User 5	5.0	32.5	6.0	54.0	4.0	32.0	3.0	17.0	7.0	48.5
User 6	5.0	32.5	6.0	54.0	4.0	32.0	3.0	17.0	5.0	11.5
User 7	4.0	16.5	6.0	54.0	4.0	32.0	5.0	42.5	5.0	11.5
User 8	6.0	49.0	5.0	39.5	4.0	32.0	6.0	53.5	6.0	27.0
User 9	5.0	32.5	3.0	21.5	6.0	59.5	4.0	29.5	6.0	27.0
User 10	6.0	49.0	5.0	39.5	5.0	51.5	6.0	53.5	6.0	27.0
User 11	3.0	5.5	2.0	12.0	2.0	5.0	3.0	17.0	5.0	11.5
User 12	3.0	5.5	3.0	21.5	3.0	14.0	3.0	17.0	5.0	11.5
User 13	5.0	32.5	2.0	12.0	5.0	51.5	2.0	6.0	6.0	27.0
User 14	4.0	16.5	2.0	12.0	4.0	32.0	2.0	6.0	4.0	4.0
User 15	4.0	16.5	1.0	3.5	4.0	32.0	2.0	6.0	5.0	11.5
User 16	5.0	32.5	5.0	39.5	2.0	5.0	4.0	29.5	6.0	27.0
User 17	7.0	58.5	3.0	21.5	5.0	51.5	4.0	29.5	7.0	48.5
User 18	5.0	32.5	5.0	39.5	4.0	32.0	5.0	42.5	7.0	48.5
User 19	4.0	16.5	5.0	39.5	3.0	14.0	6.0	53.5	7.0	48.5
User 20	6.0	49.0	6.0	54.0	5.0	51.5	7.0	59.5	7.0	48.5
Total of Non AR User		640.5		488.5		525		582.5		628.5
Total of AR(1) Users		565		637		675		624		590
Total of AR(2) Users		624.5		704.5		630.0		623.5		611.5
n		20		20		20		20		20
N		60		60		60		60		60
Test Statistic(H)		0.519		4.004		1.943		0.186		0.122

Table 7: Responses and ranks assigner for question 16-20 of the questionnaire and calculation of the test statistic (H)

Non-AR	Q16	Rank	Q17	Rank	Q18	Rank	Q19	Rank	Q20	Rank
User 1	3.0	11.5	4.0	19.0	2.0	1.5	3.0	6.0	2.0	1.0
User 2	7.0	58.0	5.0	34.5	6.0	35.0	6.0	39.5	7.0	51.5
User 3	5.0	34.0	5.0	34.5	5.0	16.0	6.0	39.5	5.0	10.5
User 4	2.0	3.0	4.0	19.0	5.0	16.0	5.0	21.0	6.0	29.5
User 5	7.0	58.0	6.0	50.5	6.0	35.0	7.0	56.0	7.0	51.5
User 6	6.0	47.5	4.0	19.0	6.0	35.0	4.0	11.0	7.0	51.5
User 7	2.0	3.0	2.0	4.5	3.0	3.0	3.0	6.0	4.0	3.0
User 8	6.0	47.5	6.0	50.5	6.0	35.0	6.0	39.5	7.0	51.5
User 9	6.0	47.5	3.0	9.0	4.0	6.0	4.0	11.0	4.0	3.0
User 10	3.0	11.5	3.0	9.0	5.0	16.0	4.0	11.0	6.0	29.5
User 11	7.0	58.0	4.0	19.0	7.0	53.5	7.0	56.0	7.0	51.5
User 12	5.0	34.0	6.0	50.5	6.0	35.0	6.0	39.5	6.0	29.5
User 13	7.0	58.0	4.0	19.0	7.0	53.5	6.0	39.5	7.0	51.5
User 14	6.0	47.5	7.0	60.0	7.0	53.5	7.0	56.0	7.0	51.5
User 15	6.0	47.5	4.0	19.0	5.0	16.0	7.0	56.0	7.0	51.5
User 16	5.0	34.0	5.0	34.5	6.0	35.0	2.0	2.5	6.0	29.5
User 17	7.0	58.0	6.0	50.5	6.0	35.0	5.0	21.0	7.0	51.5
User 18	4.0	23.0	1.0	1.0	2.0	1.5	2.0	2.5	5.0	10.5
User 19	6.0	47.5	6.0	50.5	6.0	35.0	6.0	39.5	5.0	10.5
User 20	5.0	34.0	2.0	4.5	5.0	16.0	5.0	21.0	5.0	10.5
AR 1										
User 1	6.0	47.5	5.0	34.5	6.0	35.0	5.0	21.0	4.0	3.0
User 2	2.0	3.0	4.0	19.0	5.0	16.0	3.0	6.0	5.0	10.5
User 3	6.0	47.5	6.0	50.5	7.0	53.5	7.0	56.0	7.0	51.5
User 4	4.0	23.0	3.0	9.0	5.0	16.0	4.0	11.0	5.0	10.5
User 5	5.0	34.0	5.0	34.5	6.0	35.0	6.0	39.5	6.0	29.5
User 6	5.0	34.0	5.0	34.5	6.0	35.0	4.0	11.0	6.0	29.5
User 7	4.0	23.0	5.0	34.5	6.0	35.0	6.0	39.5	5.0	10.5
User 8	5.0	34.0	4.0	19.0	6.0	35.0	6.0	39.5	6.0	29.5
User 9	6.0	47.5	6.0	50.5	7.0	53.5	6.0	39.5	7.0	51.5
User 10	6.0	47.5	6.0	50.5	7.0	53.5	6.0	39.5	6.0	29.5
User 11	4.0	23.0	4.0	19.0	5.0	16.0	5.0	21.0	5.0	10.5
User 12	4.0	23.0	4.0	19.0	5.0	16.0	5.0	21.0	5.0	10.5
User 13	3.0	11.5	2.0	4.5	6.0	35.0	6.0	39.5	6.0	29.5
User 14	2.0	3.0	2.0	4.5	4.0	6.0	4.0	11.0	6.0	29.5
User 15	3.0	11.5	6.0	50.5	4.0	6.0	6.0	39.5	6.0	29.5
User 16	3.0	11.5	4.0	19.0	5.0	16.0	5.0	21.0	6.0	29.5
User 17	6.0	47.5	4.0	19.0	7.0	53.5	2.0	2.5	6.0	29.5
User 18	4.0	23.0	6.0	50.5	7.0	53.5	5.0	21.0	7.0	51.5
User 19	5.0	34.0	5.0	34.5	6.0	35.0	6.0	39.5	6.0	29.5
User 20	3.0	11.5	6.0	50.5	6.0	35.0	7.0	56.0	7.0	51.5
AR2										
User 1	6.0	47.5	5.0	34.5	6.0	35.0	7.0	56.0	6.0	29.5
User 2	4.0	23.0	6.0	50.5	7.0	53.5	6.0	39.5	7.0	51.5
User 3	6.0	47.5	6.0	50.5	7.0	53.5	7.0	56.0	7.0	51.5
User 4	3.0	11.5	5.0	34.5	5.0	16.0	5.0	21.0	6.0	29.5
User 5	5.0	34.0	5.0	34.5	6.0	35.0	6.0	39.5	6.0	29.5
User 6	3.0	11.5	6.0	50.5	5.0	16.0	6.0	39.5	5.0	10.5
User 7	4.0	23.0	5.0	34.5	6.0	35.0	6.0	39.5	5.0	10.5
User 8	5.0	34.0	4.0	19.0	6.0	35.0	6.0	39.5	6.0	29.5
User 9	6.0	47.5	6.0	50.5	7.0	53.5	6.0	39.5	7.0	51.5
User 10	6.0	47.5	6.0	50.5	7.0	53.5	6.0	39.5	6.0	29.5
User 11	4.0	23.0	4.0	19.0	5.0	16.0	5.0	21.0	6.0	29.5
User 12	4.0	23.0	4.0	19.0	5.0	16.0	5.0	21.0	5.0	10.5
User 13	3.0	11.5	2.0	4.5	6.0	35.0	6.0	39.5	6.0	29.5
User 14	2.0	3.0	2.0	4.5	4.0	6.0	4.0	11.0	6.0	29.5
User 15	3.0	11.5	6.0	50.5	4.0	6.0	6.0	39.5	6.0	29.5
User 16	3.0	11.5	4.0	19.0	5.0	16.0	5.0	21.0	6.0	29.5
User 17	6.0	47.5	4.0	19.0	7.0	53.5	2.0	2.5	6.0	29.5
User 18	4.0	23.0	6.0	50.5	7.0	53.5	5.0	21.0	7.0	51.5
User 19	5.0	34.0	5.0	34.5	6.0	35.0	6.0	39.5	6.0	29.5
User 20	3.0	11.5	5.0	34.5	6.0	35.0	7.0	56.0	7.0	51.5
Total of Non AR User		763		558		532.5		574		630.5
Total of AR(1) Users		540.5		607.5		639.5		574.5		556.5
Total of AR(2) Users		526.5		664.5		658.0		681.5		643.0
n		20		20		20		20		20
N		60		60		60		60		60
Test Statistic(H)		5.772		0.931		1.505		1.257		0.717

Table 8: Responses and ranks assigner for question 21-25 of the questionnaire and calculation of the test statistic (H)

Non-AR	Q21	Rank	Q22	Rank	Q23	Rank	Q24	Rank	Q25	Rank
User 1	3.0	2.5	3.0	2.5	2.0	1.0	3.0	12.5	5.0	47.5
User 2	7.0	51.0	7.0	51.5	7.0	52.0	6.0	54.0	4.0	37.5
User 3	6.0	27.0	6.0	28.5	4.0	6.0	3.0	12.5	3.0	25.0
User 4	6.0	27.0	6.0	28.5	6.0	32.0	2.0	3.5	1.0	2.5
User 5	6.0	27.0	6.0	28.5	7.0	52.0	5.0	39.0	4.0	37.5
User 6	7.0	51.0	7.0	51.5	6.0	32.0	6.0	54.0	5.0	47.5
User 7	3.0	2.5	3.0	2.5	4.0	6.0	3.0	12.5	2.0	11.0
User 8	6.0	27.0	7.0	51.5	6.0	32.0	6.0	54.0	6.0	55.0
User 9	6.0	27.0	5.0	10.5	4.0	6.0	4.0	24.5	3.0	25.0
User 10	6.0	27.0	5.0	10.5	4.0	6.0	3.0	12.5	2.0	11.0
User 11	7.0	51.0	7.0	51.5	7.0	52.0	4.0	24.5	5.0	47.5
User 12	7.0	51.0	7.0	51.5	6.0	32.0	6.0	54.0	7.0	59.0
User 13	7.0	51.0	7.0	51.5	7.0	52.0	5.0	39.0	3.0	25.0
User 14	7.0	51.0	7.0	51.5	7.0	52.0	7.0	60.0	6.0	55.0
User 15	7.0	51.0	7.0	51.5	7.0	52.0	3.0	12.5	3.0	25.0
User 16	6.0	27.0	6.0	28.5	4.0	6.0	5.0	39.0	4.0	37.5
User 17	7.0	51.0	7.0	51.5	6.0	32.0	5.0	39.0	4.0	37.5
User 18	5.0	8.5	5.0	10.5	4.0	6.0	1.0	1.0	1.0	2.5
User 19	7.0	51.0	6.0	28.5	5.0	15.5	2.0	3.5	1.0	2.5
User 20	6.0	27.0	6.0	28.5	5.0	15.5	5.0	39.0	1.0	2.5
AR 1										
User 1	5.0	8.5	5.0	10.5	5.0	15.5	5.0	39.0	4.0	37.5
User 2	6.0	27.0	5.0	10.5	5.0	15.5	5.0	39.0	3.0	25.0
User 3	7.0	51.0	7.0	51.5	7.0	52.0	4.0	24.5	3.0	25.0
User 4	6.0	27.0	5.0	10.5	4.0	6.0	3.0	12.5	3.0	25.0
User 5	6.0	27.0	6.0	28.5	6.0	32.0	5.0	39.0	3.0	25.0
User 6	6.0	27.0	6.0	28.5	6.0	32.0	6.0	54.0	5.0	47.5
User 7	5.0	8.5	6.0	28.5	6.0	32.0	5.0	39.0	4.0	37.5
User 8	6.0	27.0	6.0	28.5	6.0	32.0	5.0	39.0	5.0	47.5
User 9	6.0	27.0	7.0	51.5	5.0	15.5	6.0	54.0	7.0	59.0
User 10	6.0	27.0	6.0	28.5	6.0	32.0	6.0	54.0	6.0	55.0
User 11	6.0	27.0	5.0	10.5	5.0	15.5	4.0	24.5	3.0	25.0
User 12	5.0	8.5	4.0	5.5	4.0	6.0	4.0	24.5	3.0	25.0
User 13	3.0	2.5	6.0	28.5	7.0	52.0	2.0	3.5	2.0	11.0
User 14	6.0	27.0	6.0	28.5	6.0	32.0	3.0	12.5	2.0	11.0
User 15	5.0	8.5	6.0	28.5	5.0	15.5	3.0	12.5	2.0	11.0
User 16	6.0	27.0	6.0	28.5	6.0	32.0	4.0	24.5	2.0	11.0
User 17	6.0	27.0	3.0	2.5	7.0	52.0	3.0	12.5	2.0	11.0
User 18	7.0	51.0	6.0	28.5	6.0	32.0	5.0	39.0	4.0	37.5
User 19	7.0	51.0	6.0	28.5	6.0	32.0	6.0	54.0	5.0	47.5
User 20	7.0	51.0	7.0	51.5	7.0	52.0	5.0	39.0	5.0	47.5
AR2										
User 1	7.0	51.0	6.0	28.5	6.0	32.0	5.0	39.0	6.0	55.0
User 2	7.0	51.0	7.0	51.5	7.0	52.0	5.0	39.0	4.0	37.5
User 3	7.0	51.0	7.0	51.5	7.0	52.0	4.0	24.5	3.0	25.0
User 4	6.0	27.0	7.0	51.5	7.0	52.0	3.0	12.5	3.0	25.0
User 5	6.0	27.0	6.0	28.5	6.0	32.0	5.0	39.0	3.0	25.0
User 6	6.0	27.0	7.0	51.5	7.0	52.0	3.0	12.5	2.0	11.0
User 7	5.0	8.5	6.0	28.5	6.0	32.0	5.0	39.0	4.0	37.5
User 8	6.0	27.0	6.0	28.5	6.0	32.0	5.0	39.0	5.0	47.5
User 9	7.0	51.0	7.0	51.5	5.0	15.5	6.0	54.0	7.0	59.0
User 10	6.0	27.0	6.0	28.5	6.0	32.0	6.0	54.0	6.0	55.0
User 11	6.0	27.0	5.0	10.5	4.0	6.0	4.0	24.5	3.0	25.0
User 12	5.0	8.5	4.0	5.5	5.0	15.5	4.0	24.5	3.0	25.0
User 13	6.0	27.0	6.0	28.5	7.0	52.0	2.0	3.5	2.0	11.0
User 14	6.0	27.0	6.0	28.5	6.0	32.0	3.0	12.5	2.0	11.0
User 15	5.0	8.5	6.0	28.5	5.0	15.5	3.0	12.5	2.0	11.0
User 16	6.0	27.0	6.0	28.5	6.0	32.0	4.0	24.5	2.0	11.0
User 17	3.0	2.5	3.0	2.5	7.0	52.0	3.0	12.5	2.0	11.0
User 18	7.0	51.0	6.0	28.5	6.0	32.0	5.0	39.0	4.0	37.5
User 19	6.0	27.0	6.0	28.5	6.0	32.0	6.0	54.0	5.0	47.5
User 20	7.0	51.0	7.0	51.5	7.0	52.0	5.0	39.0	5.0	47.5
Total of Non AR User		688.5		671		540		590.5		593.5
Total of AR(1) Users		537.5		518		585.5		640.5		621.5
Total of AR(2) Users		604.0		641.0		704.5		599.0		615.0
n		20		20		20		20		20
N		60		60		60		60		60
Test Statistic(H)		1.878		2.155		2.366		0.235		0.070

Table 9: Responses and ranks assigner for question 26-30 of the questionnaire and calculation of the test statistic (H)

Non-AR	Q26	Rank	Q27	Rank	Q28	Rank	Q29	Rank	Q30	Rank
User 1	3.0	18.5	4.0	28.5	4.0	43.0	5.0	56.5	4.0	29.0
User 2	3.0	18.5	4.0	28.5	2.0	16.5	1.0	10.0	4.0	29.0
User 3	4.0	34.5	4.0	28.5	2.0	16.5	1.0	10.0	4.0	29.0
User 4	3.0	18.5	2.0	5.5	2.0	16.5	1.0	10.0	4.0	29.0
User 5	4.0	34.5	6.0	49.5	5.0	52.0	2.0	27.5	5.0	47.0
User 6	4.0	34.5	5.0	39.0	3.0	31.5	3.0	42.0	5.0	47.0
User 7	3.0	18.5	2.0	5.5	1.0	4.0	1.0	10.0	2.0	7.0
User 8	5.0	50.0	6.0	49.5	6.0	57.0	5.0	56.5	6.0	58.0
User 9	4.0	34.5	4.0	28.5	4.0	43.0	3.0	42.0	5.0	47.0
User 10	2.0	8.0	3.0	15.5	3.0	31.5	2.0	27.5	3.0	15.5
User 11	4.0	34.5	2.0	5.5	1.0	4.0	1.0	10.0	2.0	7.0
User 12	6.0	56.0	6.0	49.5	5.0	52.0	3.0	42.0	4.0	29.0
User 13	3.0	18.5	3.0	15.5	3.0	31.5	2.0	27.5	5.0	47.0
User 14	5.0	50.0	3.0	15.5	4.0	43.0	1.0	10.0	5.0	47.0
User 15	1.0	1.5	5.0	39.0	2.0	16.5	1.0	10.0	5.0	47.0
User 16	5.0	50.0	5.0	39.0	2.0	16.5	2.0	27.5	4.0	29.0
User 17	4.0	34.5	6.0	49.5	3.0	31.5	1.0	10.0	4.0	29.0
User 18	1.0	1.5	1.0	1.0	1.0	4.0	1.0	10.0	1.0	1.5
User 19	4.0	34.5	2.0	5.5	2.0	16.5	1.0	10.0	5.0	47.0
User 20	4.0	34.5	4.0	28.5	2.0	16.5	1.0	10.0	4.0	29.0
AR 1		#N/A		#N/A		#N/A		#N/A		#N/A
User 1	3.0	18.5	4.0	28.5	4.0	43.0	2.0	27.5	3.0	15.5
User 2	4.0	34.5	3.0	15.5	3.0	31.5	2.0	27.5	3.0	15.5
User 3	2.0	8.0	3.0	15.5	3.0	31.5	2.0	27.5	4.0	29.0
User 4	2.0	8.0	2.0	5.5	1.0	4.0	1.0	10.0	4.0	29.0
User 5	3.0	18.5	4.0	28.5	2.0	16.5	1.0	10.0	4.0	29.0
User 6	7.0	59.0	4.0	28.5	2.0	16.5	3.0	42.0	5.0	47.0
User 7	4.0	34.5	3.0	15.5	2.0	16.5	2.0	27.5	2.0	7.0
User 8	4.0	34.5	6.0	49.5	4.0	43.0	4.0	51.5	5.0	47.0
User 9	7.0	59.0	7.0	58.5	7.0	59.5	7.0	59.5	6.0	58.0
User 10	6.0	56.0	5.0	39.0	6.0	57.0	4.0	51.5	5.0	47.0
User 11	3.0	18.5	4.0	28.5	3.0	31.5	2.0	27.5	2.0	7.0
User 12	4.0	34.5	3.0	15.5	3.0	31.5	2.0	27.5	3.0	15.5
User 13	2.0	8.0	2.0	5.5	1.0	4.0	1.0	10.0	2.0	7.0
User 14	2.0	8.0	4.0	28.5	2.0	16.5	2.0	27.5	2.0	7.0
User 15	4.0	34.5	6.0	49.5	2.0	16.5	3.0	42.0	4.0	29.0
User 16	2.0	8.0	3.0	15.5	2.0	16.5	1.0	10.0	3.0	15.5
User 17	4.0	34.5	7.0	58.5	4.0	43.0	5.0	56.5	5.0	47.0
User 18	5.0	50.0	6.0	49.5	4.0	43.0	3.0	42.0	4.0	29.0
User 19	4.0	34.5	5.0	39.0	5.0	52.0	3.0	42.0	5.0	47.0
User 20	5.0	50.0	6.0	49.5	5.0	52.0	5.0	56.5	6.0	58.0
AR2										
User 1	5.0	50.0	4.0	28.5	4.0	43.0	3.0	42.0	5.0	47.0
User 2	4.0	34.5	6.0	49.5	5.0	52.0	3.0	42.0	4.0	29.0
User 3	2.0	8.0	3.0	15.5	3.0	31.5	2.0	27.5	4.0	29.0
User 4	2.0	8.0	2.0	5.5	1.0	4.0	1.0	10.0	4.0	29.0
User 5	3.0	18.5	4.0	28.5	2.0	16.5	1.0	10.0	4.0	29.0
User 6	5.0	50.0	6.0	49.5	3.0	31.5	3.0	42.0	4.0	29.0
User 7	4.0	34.5	3.0	15.5	2.0	16.5	2.0	27.5	2.0	7.0
User 8	4.0	34.5	6.0	49.5	4.0	43.0	4.0	51.5	5.0	47.0
User 9	7.0	59.0	7.0	58.5	7.0	59.5	7.0	59.5	6.0	58.0
User 10	6.0	56.0	5.0	39.0	6.0	57.0	4.0	51.5	5.0	47.0
User 11	3.0	18.5	4.0	28.5	3.0	31.5	2.0	27.5	2.0	7.0
User 12	4.0	34.5	3.0	15.5	3.0	31.5	2.0	27.5	3.0	15.5
User 13	2.0	8.0	2.0	5.5	2.0	16.5	1.0	10.0	1.0	1.5
User 14	2.0	8.0	4.0	28.5	1.0	4.0	2.0	27.5	2.0	7.0
User 15	4.0	34.5	5.0	39.0	2.0	16.5	3.0	42.0	3.0	15.5
User 16	2.0	8.0	3.0	15.5	2.0	16.5	1.0	10.0	3.0	15.5
User 17	4.0	34.5	7.0	58.5	4.0	43.0	4.0	51.5	5.0	47.0
User 18	5.0	50.0	6.0	49.5	4.0	43.0	3.0	42.0	4.0	29.0
User 19	4.0	34.5	6.0	49.5	5.0	52.0	3.0	42.0	5.0	47.0
User 20	5.0	50.0	6.0	49.5	5.0	52.0	4.0	51.5	6.0	58.0
Total of Non AR Users		585.5		527		543.5		459		650
Total of AR(1) Users		611		624		625.5		676		586
Total of AR(2) Users		633.5		679.0		661.0		695.0		594.0
n		20		20		20		20		20
N		60		60		60		60		60
Test Statistic(H)		0.189		1.942		1.191		5.636		0.399

APPENDIX E

CATEGORY WISE DATA ANALYSIS

Table 10: Responses and ranks assigner for questions under the ‘Usefulness’ category of the questionnaire and calculation of the test statistic (H) for the same.

Non-AR	Average	Rank
User 1	3.9	23.0
User 2	2.3	1.0
User 3	3.5	15.5
User 4	2.6	4.0
User 5	5.1	45.0
User 6	4.5	32.0
User 7	3.6	17.5
User 8	5.4	56.0
User 9	5.4	56.0
User 10	3.8	20.0
User 11	5.1	45.0
User 12	6.3	60.0
User 13	3.8	20.0
User 14	5.5	58.0
User 15	3.9	23.0
User 16	4.6	36.0
User 17	4.6	36.0
User 18	3.4	12.5
User 19	2.9	6.0
User 20	4.4	30.5
AR 1		
User 1	4.3	28.5
User 2	4.6	36.0
User 3	5.3	51.0
User 4	5.0	42.0
User 5	2.9	6.0
User 6	5.9	59.0
User 7	3.4	12.5
User 8	5.3	51.0
User 9	5.1	45.0
User 10	3.8	20.0
User 11	2.4	2.0
User 12	3.4	12.5
User 13	3.6	17.5
User 14	3.0	8.0
User 15	4.1	26.0
User 16	4.8	40.0
User 17	4.1	26.0
User 18	4.6	36.0
User 19	5.3	51.0
User 20	5.3	51.0

AR2		
User 1	5.4	56.0
User 2	4.6	36.0
User 3	5.3	51.0
User 4	4.6	36.0
User 5	2.9	6.0
User 6	4.4	30.5
User 7	3.3	10.0
User 8	5.3	51.0
User 9	5.3	51.0
User 10	3.9	23.0
User 11	2.5	3.0
User 12	3.4	12.5
User 13	3.5	15.5
User 14	3.1	9.0
User 15	4.3	28.5
User 16	5.1	45.0
User 17	4.1	26.0
User 18	4.6	36.0
User 19	4.9	41.0
User 20	5.1	45.0
Total of Non AR User		597
Total of AR(1) Users		621
Total of AR(2) Users		612.0
n		20
N		60
Test Statistic(H)		0.048

Table 11: Responses and ranks assigner for questions under the ‘Ease of Use’ category of the questionnaire and calculation of the test statistic (H) for the same.

Non-AR	Average	Rank
User 1	3.2	3.0
User 2	5.2	31.5
User 3	4.2	14.5
User 4	4.4	17.5
User 5	5.7	48.5
User 6	5.2	31.5
User 7	2.5	1.0
User 8	5.9	53.5
User 9	4.4	17.5
User 10	3.8	9.0
User 11	5.2	31.5
User 12	5.7	48.5
User 13	6.3	60.0
User 14	5.8	52.0
User 15	5.3	36.0
User 16	4.1	12.5
User 17	5.5	43.0
User 18	2.6	2.0
User 19	5.7	48.5
User 20	4.8	24.5
AR 1		
User 1	5.2	31.5
User 2	3.7	7.0
User 3	6.0	56.0
User 4	4.7	22.0
User 5	5.3	34.5
User 6	5.7	48.5
User 7	5.0	28.0
User 8	5.5	43.0
User 9	5.5	43.0
User 10	6.1	58.5
User 11	3.7	7.0
User 12	4.0	11.0
User 13	4.5	20.5
User 14	3.3	4.0
User 15	4.1	12.5
User 16	4.5	20.5
User 17	4.9	26.0
User 18	5.5	43.0
User 19	5.4	38.0
User 20	6.0	56.0
AR2		
User 1	5.8	51.0
User 2	5.4	38.0
User 3	6.0	56.0
User 4	4.8	23.0
User 5	5.3	34.5
User 6	4.8	24.5
User 7	5.0	28.0
User 8	5.5	43.0
User 9	5.5	43.0
User 10	6.1	58.5
User 11	3.7	7.0
User 12	3.9	10.0
User 13	4.4	17.5
User 14	3.3	5.0
User 15	4.2	14.5
User 16	4.4	17.5
User 17	5.0	28.0
User 18	5.5	43.0
User 19	5.4	38.0
User 20	5.9	53.5
Total of Non AR Users		586
Total of AR(1) Users		610.5
Total of AR(2) Users		633.5
n		20
N		60
Test Statistic(H)		0.185

Table 12: Responses and ranks assigner for questions under the ‘Ease of Learning’ category of the questionnaire and calculation of the test statistic (H) for the same.

Non-AR	Average	Rank
User 1	2.5	1.0
User 2	7.0	55.5
User 3	5.3	12.0
User 4	6.0	30.0
User 5	6.5	45.0
User 6	6.8	49.5
User 7	3.5	2.0
User 8	6.5	45.0
User 9	4.8	6.0
User 10	5.3	12.0
User 11	7.0	55.5
User 12	6.5	45.0
User 13	7.0	55.5
User 14	7.0	55.5
User 15	7.0	55.5
User 16	5.5	18.5
User 17	6.8	49.5
User 18	4.8	6.0
User 19	5.8	23.0
User 20	5.5	18.5
AR 1		
User 1	4.8	6.0
User 2	5.3	12.0
User 3	7.0	55.5
User 4	5.0	9.0
User 5	6.0	30.0
User 6	6.0	30.0
User 7	5.5	18.5
User 8	6.0	30.0
User 9	6.3	39.0
User 10	6.0	30.0
User 11	5.3	12.0
User 12	4.5	3.0
User 13	5.5	18.5
User 14	6.0	30.0
User 15	5.5	18.5
User 16	6.0	30.0
User 17	5.5	18.5
User 18	6.5	45.0
User 19	6.3	39.0
User 20	7.0	55.5
AR2		
User 1	6.3	39.0
User 2	7.0	55.5
User 3	7.0	55.5
User 4	6.5	45.0
User 5	6.0	30.0
User 6	6.3	39.0
User 7	5.5	18.5
User 8	6.0	30.0
User 9	6.5	45.0
User 10	6.0	30.0
User 11	5.3	12.0
User 12	4.8	6.0
User 13	6.3	39.0
User 14	6.0	30.0
User 15	5.5	18.5
User 16	6.0	30.0
User 17	4.8	6.0
User 18	6.5	45.0
User 19	6.0	30.0
User 20	7.0	55.5
Total of Non AR Users	640.5	
Total of AR(1) Users	530	
Total of AR(2) Users	659.5	
n		20
N		60
Test Statistic(H)		1.603

Table 13: Responses and ranks assigner for questions under the ‘Satisfaction’ category of the questionnaire and calculation of the test statistic (H) for the same.

Non-AR	Average	Rank
User 1	4.0	38.0
User 2	3.4	31.0
User 3	3.0	18.5
User 4	2.1	5.0
User 5	4.4	43.5
User 6	4.4	43.5
User 7	2.0	4.0
User 8	5.7	58.0
User 9	3.9	36.0
User 10	2.6	13.0
User 11	2.7	14.0
User 12	5.3	54.5
User 13	3.4	31.0
User 14	4.4	43.5
User 15	2.9	15.0
User 16	3.9	36.0
User 17	3.9	36.0
User 18	1.0	1.0
User 19	2.4	10.5
User 20	3.0	18.5
AR 1		
User 1	3.6	33.0
User 2	3.3	29.0
User 3	3.0	18.5
User 4	2.3	7.0
User 5	3.1	25.0
User 6	4.6	47.5
User 7	3.1	25.0
User 8	4.7	50.0
User 9	6.7	59.5
User 10	5.4	56.5
User 11	3.0	18.5
User 12	3.1	25.0
User 13	1.7	2.5
User 14	2.4	10.5
User 15	3.4	31.0
User 16	2.4	10.5
User 17	4.3	40.0
User 18	4.4	43.5
User 19	4.7	50.0
User 20	5.3	54.5
AR2		
User 1	4.6	47.5
User 2	4.4	43.5
User 3	3.0	18.5
User 4	2.3	7.0
User 5	3.1	25.0
User 6	3.7	34.0
User 7	3.1	25.0
User 8	4.7	50.0
User 9	6.7	59.5
User 10	5.4	56.5
User 11	3.0	18.5
User 12	3.1	25.0
User 13	1.7	2.5
User 14	2.3	7.0
User 15	3.1	25.0
User 16	2.4	10.5
User 17	4.1	39.0
User 18	4.4	43.5
User 19	4.9	52.0
User 20	5.1	53.0
Total of Non AR User		550.5
Total of AR(1) Users		637
Total of AR(2) Users		642.5
n		20
N		60
Test Statistic(H)		0.873

APPENDIX F

QUESTIONNAIRE

Questionnaire for User Interface Satisfaction of Sony Walkman NWZ-E463

- Try to respond to all the items.
 - For items that are not applicable, use: NA
- Please rate your agreements with these statements.

USEFULNESS		1	2	3	4	5	6	7	NA
1.	It helps me be more effective.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
2.	It helps me be more productive.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
3.	It is useful.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
4.	It gives me more control over the activities in my life.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
5.	It makes the things I want to accomplish easier to get done.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
6.	It saves me time when I use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
7.	It meets my needs.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
8.	It does everything I would expect it to do.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

EASE OF USE		1	2	3	4	5	6	7	NA
9.	It is easy to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
10.	It is simple to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
11.	It is user friendly.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
12.	It requires the fewest steps possible to accomplish what I want to do with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
13.	It is flexible.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
14.	Using it is effortless.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
15.	I can use it without written instructions.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
16.	I don't notice any inconsistencies as I use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
17.	Both occasional and regular users would like it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
18.	I can recover from mistakes quickly and easily.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
19.	I can use it successfully every time.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

EASE OF LEARNING		1	2	3	4	5	6	7	NA
20.	I learned to use it quickly.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
21.	I easily remember how to use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
22.	It is easy to learn to use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
23.	I quickly became skillful with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

SATISFACTION		1	2	3	4	5	6	7	NA
24.	I am satisfied with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
25.	I would recommend it to a friend.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
26.	It is fun to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
27.	It works the way I want it to work.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
28.	It is wonderful.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
29.	I feel I need to have it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
30.	It is pleasant to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

List the most negative aspect(s):

1.	
2.	
3.	

List the most positive aspect(s):

1.	
2.	
3.	

APPENDIX G

QUESTIONNAIRE RESPONSE SHEETS (AR METHOD)

~~NEED~~ AR

Questionnaire for User Interface Satisfaction of Sony Walkman NWZ-E463

- Try to respond to all the items.
 - For items that are not applicable, use: NA
- Please rate your agreements with these statements.

USEFULNESS

		1	2	3	4	5	6	7	NA
1.	It helps me be more effective.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
2.	It helps me be more productive.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
3.	It is useful.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
4.	It gives me more control over the activities in my life.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
5.	It makes the things I want to accomplish easier to get done.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
6.	It saves me time when I use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
7.	It meets my needs.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
8.	It does everything I would expect it to do.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

EASE OF USE

		1	2	3	4	5	6	7	NA
9.	It is easy to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
10.	It is easy to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
11.	It is user friendly.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
12.	It requires the fewest steps possible to accomplish what I want to do with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
13.	It is flexible.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
14.	Using it is effortless.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
15.	I can use it without written instructions.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
16.	I don't notice any inconsistencies as I use it.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
17.	Both occasional and regular users would like it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
18.	I can recover from mistakes quickly and easily.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
19.	I can use it successfully every time.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

EASE OF LEARNING

		1	2	3	4	5	6	7	NA
20.	I learned to use it quickly.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	strongly agree <input type="radio"/>
21.	I easily remember how to use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	strongly agree <input type="radio"/>
22.	It is easy to learn to use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	strongly agree <input type="radio"/>
23.	I quickly became skillful with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	strongly agree <input type="radio"/>

SATISFACTION

		1	2	3	4	5	6	7	NA
24.	I am satisfied with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
25.	I would recommend it to a friend.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
26.	It is fun to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
27.	It works the way I want it to work.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
28.	It is wonderful.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
29.	I feel I need to have it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
30.	It is pleasant to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

List the most negative aspect(s):

1. Radio button was lagging, not as slow
2. Haptic feed back option would be nice
- 3.

List the most positive aspect(s):

1. Menu icon was very clear
2. Overall, all buttons were self explanatory
- 3.

**Questionnaire for User Interface Satisfaction of
Sony Walkman NWZ-E463**

- Try to respond to all the items.
 - For items that are not applicable, use: NA
- Please rate your agreements with these statements.

USEFULNESS		1	2	3	4	5	6	7	NA
1.	It helps me be more effective.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
2.	It helps me be more productive.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
3.	It is useful.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
4.	It gives me more control over the activities in my life.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
5.	It makes the things I want to accomplish easier to get done.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
6.	It saves me time when I use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
7.	It meets my needs.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
8.	It does everything I would expect it to do.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

EASE OF USE		1	2	3	4	5	6	7	NA
9.	It is easy to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
10.	It is simple to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
11.	It is user friendly.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
12.	It requires the fewest steps possible to accomplish what I want to do with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
13.	It is flexible.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
14.	Using it is effortless.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
15.	I can use it without written instructions.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
16.	I don't notice any inconsistencies as I use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
17.	Both occasional and regular users would like it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
18.	I can recover from mistakes quickly and easily.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
19.	I can use it successfully every time.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

EASE OF LEARNING		1	2	3	4	5	6	7	NA
20.	I learned to use it quickly.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
21.	I easily remember how to use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
22.	It is easy to learn to use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
23.	I quickly became skillful with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

SATISFACTION		1	2	3	4	5	6	7	NA
24.	I am satisfied with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
25.	I would recommend it to a friend.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
26.	It is fun to use.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
27.	It works the way I want it to work.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
28.	It is wonderful.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
29.	I feel I need to have it.	strongly disagree	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
30.	It is pleasant to use.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

List the most negative aspect(s):

1. size could be a little bigger to fit average hand size -
- 2.
- 3.

List the most positive aspect(s):

- 1.
- 2.
- 3.

**Questionnaire for User Interface Satisfaction of
Sony Walkman NWZ-E463**

- Try to respond to all the items.
 - For items that are not applicable, use: NA
- Please rate your agreements with these statements.

USEFULNESS		1	2	3	4	5	6	7	NA
1.	It helps me be more effective.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
2.	It helps me be more productive.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
3.	It is useful.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
4.	It gives me more control over the activities in my life.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
5.	It makes the things I want to accomplish easier to get done.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
6.	It saves me time when I use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
7.	It meets my needs.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
8.	It does everything I would expect it to do.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

EASE OF USE		1	2	3	4	5	6	7	NA
9.	It is easy to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
10.	It is simple to use.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
11.	It is user friendly.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
12.	It requires the fewest steps possible to accomplish what I want to do with it.	strongly disagree	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
13.	It is flexible.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
14.	Using it is effortless.	strongly disagree	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
15.	I can use it without written instructions.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
16.	I don't notice any inconsistencies as I use it.	strongly disagree	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
17.	Both occasional and regular users would like it.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
18.	I can recover from mistakes quickly and easily.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
19.	I can use it successfully every time.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

EASE OF LEARNING		1	2	3	4	5	6	7	NA
20.	I learned to use it quickly.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
21.	I easily remember how to use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
22.	It is easy to learn to use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
23.	I quickly became skillful with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

SATISFACTION		1	2	3	4	5	6	7	NA
24.	I am satisfied with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
25.	I would recommend it to a friend.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
26.	It is fun to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
27.	It works the way I want it to work.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
28.	It is wonderful.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
29.	I feel I need to have it.	strongly disagree	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
30.	It is pleasant to use.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

List the most negative aspect(s):

1. inconsistent interactions, Back/Home button only goes back one screen
2.
3.

List the most positive aspect(s):

1.
2.
3.

**Questionnaire for User Interface Satisfaction of
Sony Walkman NWZ-E463**

- Try to respond to all the items.
 - For items that are not applicable, use: NA
- Please rate your agreements with these statements.

USEFULNESS		1	2	3	4	5	6	7	NA
1.	It helps me be more effective.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
2.	It helps me be more productive.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
3.	It is useful.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
4.	It gives me more control over the activities in my life.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
5.	It makes the things I want to accomplish easier to get done.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
6.	It saves me time when I use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
7.	It meets my needs.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
8.	It does everything I would expect it to do.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

EASE OF USE		1	2	3	4	5	6	7	NA
9.	It is easy to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
10.	It is simple to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
11.	It is user friendly.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
12.	It requires the fewest steps possible to accomplish what I want to do with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
13.	It is flexible.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
14.	Using it is effortless.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
15.	I can use it without written instructions.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
16.	I don't notice any inconsistencies as I use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
17.	Both occasional and regular users would like it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
18.	I can recover from mistakes quickly and easily.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
19.	I can use it successfully every time.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

EASE OF LEARNING		1	2	3	4	5	6	7	NA
20.	I learned to use it quickly.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	strongly agree <input type="radio"/>
21.	I easily remember how to use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	strongly agree <input type="radio"/>
22.	It is easy to learn to use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	strongly agree <input type="radio"/>
23.	I quickly became skillful with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	strongly agree <input type="radio"/>

SATISFACTION		1	2	3	4	5	6	7	NA
24.	I am satisfied with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
25.	I would recommend it to a friend.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
26.	It is fun to use.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
27.	It works the way I want it to work.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
28.	It is wonderful.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
29.	I feel I need to have it.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
30.	It is pleasant to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

List the most negative aspect(s):

1.	
2.	
3.	

List the most positive aspect(s):

1.	
2.	
3.	

**Questionnaire for User Interface Satisfaction of
Sony Walkman NWZ-E463**

- Try to respond to all the items.
 - For items that are not applicable, use: NA
- Please rate your agreements with these statements.

USEFULNESS		1	2	3	4	5	6	7	NA
1.	It helps me be more effective.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
2.	It helps me be more productive.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
3.	It is useful.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
4.	It gives me more control over the activities in my life.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
5.	It makes the things I want to accomplish easier to get done.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
6.	It saves me time when I use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
7.	It meets my needs.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
8.	It does everything I would expect it to do.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

EASE OF USE		1	2	3	4	5	6	7	NA
9.	It is easy to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
10.	It is simple to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
11.	It is user friendly.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
12.	It requires the fewest steps possible to accomplish what I want to do with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
13.	It is flexible.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
14.	Using it is effortless.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
15.	I can use it without written instructions.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
16.	I don't notice any inconsistencies as I use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
17.	Both occasional and regular users would like it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
18.	I can recover from mistakes quickly and easily.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
19.	I can use it successfully every time.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

EASE OF LEARNING		1	2	3	4	5	6	7	NA
20.	I learned to use it quickly.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
21.	I easily remember how to use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
22.	It is easy to learn to use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
23.	I quickly became skillful with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

SATISFACTION		1	2	3	4	5	6	7	NA
24.	I am satisfied with it.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
25.	I would recommend it to a friend.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
26.	It is fun to use.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
27.	It works the way I want it to work.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
28.	It is wonderful.	strongly disagree	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
29.	I feel I need to have it.	strongly disagree	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
30.	It is pleasant to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

List the most negative aspect(s):

1.	
2.	
3.	

List the most positive aspect(s):

1.	
2.	
3.	

**Questionnaire for User Interface Satisfaction of
Sony Walkman NWZ-E463**

- Try to respond to all the items.
 - For items that are not applicable, use: NA
- Please rate your agreements with these statements.

USEFULNESS		1	2	3	4	5	6	7	NA
1.	It helps me be more effective.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
2.	It helps me be more productive.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
3.	It is useful.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
4.	It gives me more control over the activities in my life.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
5.	It makes the things I want to accomplish easier to get done.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
6.	It saves me time when I use it.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
7.	It meets my needs.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
8.	It does everything I would expect it to do.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

EASE OF USE		1	2	3	4	5	6	7	NA
9.	It is easy to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
10.	It is simple to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
11.	It is user friendly.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
12.	It requires the fewest steps possible to accomplish what I want to do with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
13.	It is flexible.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
14.	Using it is effortless.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
15.	I can use it without written instructions.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
16.	I don't notice any inconsistencies as I use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
17.	Both occasional and regular users would like it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
18.	I can recover from mistakes quickly and easily.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
19.	I can use it successfully every time.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

EASE OF LEARNING		1	2	3	4	5	6	7	NA
20.	I learned to use it quickly.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
21.	I easily remember how to use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
22.	It is easy to learn to use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
23.	I quickly became skillful with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

SATISFACTION		1	2	3	4	5	6	7	NA
24.	I am satisfied with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
25.	I would recommend it to a friend.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
26.	It is fun to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
27.	It works the way I want it to work.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
28.	It is wonderful.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
29.	I feel I need to have it.	strongly disagree	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
30.	It is pleasant to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

List the most negative aspect(s):

1. Lack of Touchscreen
2. Menu grouping needs to be better
3. functionality? this is 2014!

List the most positive aspect(s):

1. Seems sturdy.
2. Tactile buttons mean 3 eyes off control possible.
- 3.

**Questionnaire for User Interface Satisfaction of
Sony Walkman NWZ-E463**

- Try to respond to all the items.
 - For items that are not applicable, use: NA
- Please rate your agreements with these statements.

USEFULNESS		1	2	3	4	5	6	7	NA
1.	It helps me be more effective.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
2.	It helps me be more productive.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
3.	It is useful.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
4.	It gives me more control over the activities in my life.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
5.	It makes the things I want to accomplish easier to get done.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
6.	It saves me time when I use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
7.	It meets my needs.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
8.	It does everything I would expect it to do.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

EASE OF USE		1	2	3	4	5	6	7	NA
9.	It is easy to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
10.	It is simple to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
11.	It is user friendly.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
12.	It requires the fewest steps possible to accomplish what I want to do with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
13.	It is flexible.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
14.	Using it is effortless.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
15.	I can use it without written instructions.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
16.	I don't notice any inconsistencies as I use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
17.	Both occasional and regular users would like it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
18.	I can recover from mistakes quickly and easily.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
19.	I can use it successfully every time.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

EASE OF LEARNING		1	2	3	4	5	6	7	NA
20.	I learned to use it quickly.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
21.	I easily remember how to use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
22.	It is easy to learn to use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
23.	I quickly became skillful with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

SATISFACTION		1	2	3	4	5	6	7	NA
24.	I am satisfied with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
25.	I would recommend it to a friend.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
26.	It is fun to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
27.	It works the way I want it to work.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
28.	It is wonderful.	strongly disagree	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
29.	I feel I need to have it.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
30.	It is pleasant to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

List the most negative aspect(s):

1. Use some steps to find things.
2. It's not so friendly.
3. Control button is not necessary.

List the most positive aspect(s):

1. It's very useful.
2. ~~It's very~~ A lot of Fun in it there.
- 3.

AR

**Questionnaire for User Interface Satisfaction of
Sony Walkman NWZ-E463**

- Try to respond to all the items.
 - For items that are not applicable, use: NA
- Please rate your agreements with these statements.

USEFULNESS		1	2	3	4	5	6	7	NA
1.	It helps me be more effective.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
2.	It helps me be more productive.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
3.	It is useful.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
4.	It gives me more control over the activities in my life.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
5.	It makes the things I want to accomplish easier to get done.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
6.	It saves me time when I use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
7.	It meets my needs.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
8.	It does everything I would expect it to do.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

EASE OF USE		1	2	3	4	5	6	7	NA
9.	It is easy to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
10.	It is simple to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
11.	It is user friendly.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
12.	It requires the fewest steps possible to accomplish what I want to do with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
13.	It is flexible.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
14.	Using it is effortless.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
15.	I can use it without written instructions.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
16.	I don't notice any inconsistencies as I use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
17.	Both occasional and regular users would like it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
18.	I can recover from mistakes quickly and easily.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
19.	I can use it successfully every time.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

EASE OF LEARNING		1	2	3	4	5	6	7	NA
20.	I learned to use it quickly.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
21.	I easily remember how to use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
22.	It is easy to learn to use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
23.	I quickly became skillful with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

SATISFACTION		1	2	3	4	5	6	7	NA
24.	I am satisfied with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
25.	I would recommend it to a friend.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
26.	It is fun to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
27.	It works the way I want it to work.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
28.	It is wonderful.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
29.	I feel I need to have it.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
30.	It is pleasant to use.	strongly disagree	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

List the most negative aspect(s):

1. lack of ~~text~~ aesthetic
2. small screen
3. flat interactions

List the most positive aspect(s):

1. simple
2. easy to understand
3. basic

AR

**Questionnaire for User Interface Satisfaction of
Sony Walkman NWZ-E463**

- Try to respond to all the items.
 - For items that are not applicable, use: NA
- Please rate your agreements with these statements.

USEFULNESS		1	2	3	4	5	6	7	NA
1.	It helps me be more effective.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
2.	It helps me be more productive.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
3.	It is useful.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
4.	It gives me more control over the activities in my life.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
5.	It makes the things I want to accomplish easier to get done.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
6.	It saves me time when I use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
7.	It meets my needs.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
8.	It does everything I would expect it to do.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

EASE OF USE		1	2	3	4	5	6	7	NA
9.	It is easy to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
10.	It is simple to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
11.	It is user friendly.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
12.	It requires the fewest steps possible to accomplish what I want to do with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
13.	It is flexible.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
14.	Using it is effortless.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
15.	I can use it without written instructions.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
16.	I don't notice any inconsistencies as I use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
17.	Both occasional and regular users would like it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
18.	I can recover from mistakes quickly and easily.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
19.	I can use it successfully every time.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

EASE OF LEARNING		1	2	3	4	5	6	7	NA
20.	I learned to use it quickly.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
21.	I easily remember how to use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
22.	It is easy to learn to use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
23.	I quickly became skillful with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

SATISFACTION		1	2	3	4	5	6	7	NA
24.	I am satisfied with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
25.	I would recommend it to a friend.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
26.	It is fun to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
27.	It works the way I want it to work.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
28.	It is wonderful.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
29.	I feel I need to have it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
30.	It is pleasant to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

List the most negative aspect(s):

1.	Need too many steps to do some functions
2.	
3.	

List the most positive aspect(s):

1.	Icons are easy to recognize
2.	
3.	

**Questionnaire for User Interface Satisfaction of
Sony Walkman NWZ-E463**

- Try to respond to all the items.
 - For items that are not applicable, use: NA
- Please rate your agreements with these statements.

USEFULNESS		1	2	3	4	5	6	7	NA
1.	It helps me be more effective.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
2.	It helps me be more productive.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
3.	It is useful.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
4.	It gives me more control over the activities in my life.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
5.	It makes the things I want to accomplish easier to get done.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
6.	It saves me time when I use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
7.	It meets my needs.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
8.	It does everything I would expect it to do.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

EASE OF USE		1	2	3	4	5	6	7	NA
9.	It is easy to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
10.	It is simple to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
11.	It is user friendly.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
12.	It requires the fewest steps possible to accomplish what I want to do with it.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
13.	It is flexible.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
14.	Using it is effortless.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
15.	I can use it without written instructions.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
16.	I don't notice any inconsistencies as I use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
17.	Both occasional and regular users would like it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	strongly agree <input type="radio"/>
18.	I can recover from mistakes quickly and easily.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	strongly agree <input type="radio"/>
19.	I can use it successfully every time.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

EASE OF LEARNING		1	2	3	4	5	6	7	NA
20.	I learned to use it quickly.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	strongly agree <input type="radio"/>
21.	I easily remember how to use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	strongly agree <input type="radio"/>
22.	It is easy to learn to use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	strongly agree <input type="radio"/>
23.	I quickly became skillful with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

SATISFACTION		1	2	3	4	5	6	7	NA
24.	I am satisfied with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
25.	I would recommend it to a friend.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
26.	It is fun to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
27.	It works the way I want it to work.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
28.	It is wonderful.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
29.	I feel I need to have it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
30.	It is pleasant to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

List the most negative aspect(s):

1. Use/fit should be directly/ completely in virtual world
2. Tactile feedback missing at interaction through phone.
3. & additional feedback audio/visual/tactile missing.

List the most positive aspect(s):

1. Time saving.
2. Saves cost of prototyping
3. Independent of work by teams can be done at the same time. (Inter team & manuf. phase)

AR

Questionnaire for User Interface Satisfaction of Sony Walkman NWZ-E463

- Try to respond to all the items.
 - For items that are not applicable, use: NA
- Please rate your agreements with these statements.

USEFULNESS		1	2	3	4	5	6	7	NA
1.	It helps me be more effective.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
2.	It helps me be more productive.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
3.	It is useful.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
4.	It gives me more control over the activities in my life.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
5.	It makes the things I want to accomplish easier to get done.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
6.	It saves me time when I use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
7.	It meets my needs.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
8.	It does everything I would expect it to do.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

EASE OF USE		1	2	3	4	5	6	7	NA
9.	It is easy to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
10.	It is simple to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
11.	It is user friendly.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
12.	It requires the fewest steps possible to accomplish what I want to do with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
13.	It is flexible.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
14.	Using it is effortless.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
15.	I can use it without written instructions.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
16.	I don't notice any inconsistencies as I use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
17.	Both occasional and regular users would like it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
18.	I can recover from mistakes quickly and easily.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
19.	I can use it successfully every time.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

EASE OF LEARNING		1	2	3	4	5	6	7	NA
20.	I learned to use it quickly.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
21.	I easily remember how to use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
22.	It is easy to learn to use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
23.	I quickly became skillful with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

SATISFACTION		1	2	3	4	5	6	7	NA
24.	I am satisfied with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
25.	I would recommend it to a friend.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
26.	It is fun to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
27.	It works the way I want it to work.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
28.	It is wonderful.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
29.	I feel I need to have it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
30.	It is pleasant to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

List the most negative aspect(s):

1. To generic in the interface
2. Slow response
3. Single touch based

List the most positive aspect(s):

- 1.
- 2.
- 3.

AR

**Questionnaire for User Interface Satisfaction of
Sony Walkman NWZ-E463**

- Try to respond to all the items.
 - For items that are not applicable, use: NA
- Please rate your agreements with these statements.

USEFULNESS		1	2	3	4	5	6	7	NA
1.	It helps me be more effective.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
2.	It helps me be more productive.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
3.	It is useful.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
4.	It gives me more control over the activities in my life.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
5.	It makes the things I want to accomplish easier to get done.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
6.	It saves me time when I use it.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
7.	It meets my needs.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
8.	It does everything I would expect it to do.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

EASE OF USE		1	2	3	4	5	6	7	NA
9.	It is easy to use.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
10.	It is simple to use.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
11.	It is user friendly.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
12.	It requires the fewest steps possible to accomplish what I want to do with it.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
13.	It is flexible.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
14.	Using it is effortless.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
15.	I can use it without written instructions.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
16.	I don't notice any inconsistencies as I use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
17.	Both occasional and regular users would like it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
18.	I can recover from mistakes quickly and easily.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
19.	I can use it successfully every time.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

EASE OF LEARNING		1	2	3	4	5	6	7	NA
20.	I learned to use it quickly.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
21.	I easily remember how to use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
22.	It is easy to learn to use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
23.	I quickly became skillful with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

SATISFACTION		1	2	3	4	5	6	7	NA
24.	I am satisfied with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
25.	I would recommend it to a friend.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
26.	It is fun to use.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
27.	It works the way I want it to work.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
28.	It is wonderful.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
29.	I feel I need to have it.	strongly disagree	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
30.	It is pleasant to use.	strongly disagree	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

List the most negative aspect(s):

- touch button instead of touch screen.
-
-

List the most positive aspect(s):

- goes back easy.
-
-

**Questionnaire for User Interface Satisfaction of
Sony Walkman NWZ-E463**

- Try to respond to all the items.
 - For items that are not applicable, use: NA
- Please rate your agreements with these statements.

USEFULNESS		1	2	3	4	5	6	7	NA
1.	It helps me be more effective.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
2.	It helps me be more productive.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
3.	It is useful.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
4.	It gives me more control over the activities in my life.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
5.	It makes the things I want to accomplish easier to get done.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
6.	It saves me time when I use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
7.	It meets my needs.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
8.	It does everything I would expect it to do.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

EASE OF USE		1	2	3	4	5	6	7	NA
9.	It is easy to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
10.	It is simple to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
11.	It is user friendly.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
12.	It requires the fewest steps possible to accomplish what I want to do with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
13.	It is flexible.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
14.	Using it is effortless.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
15.	I can use it without written instructions.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
16.	I don't notice any inconsistencies as I use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
17.	Both occasional and regular users would like it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
18.	I can recover from mistakes quickly and easily.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
19.	I can use it successfully every time.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

EASE OF LEARNING		1	2	3	4	5	6	7	NA
20.	I learned to use it quickly.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
21.	I easily remember how to use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
22.	It is easy to learn to use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
23.	I quickly became skillful with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

SATISFACTION		1	2	3	4	5	6	7	NA
24.	I am satisfied with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
25.	I would recommend it to a friend.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
26.	It is fun to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
27.	It works the way I want it to work.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
28.	It is wonderful.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
29.	I feel I need to have it.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
30.	It is pleasant to use.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

List the most negative aspect(s):

1. confusing icons with repeating graphics
2. lack of tactile feedback
3. slow response time

List the most positive aspect(s):

1. compact size
2. light weight
3. can play music, video, and radio.

**Questionnaire for User Interface Satisfaction of
Sony Walkman NWZ-E463**

- Try to respond to all the items.
 - For items that are not applicable, use: NA
- Please rate your agreements with these statements.

USEFULNESS		1	2	3	4	5	6	7	NA
1.	It helps me be more effective.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
2.	It helps me be more productive.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
3.	It is useful.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
4.	It gives me more control over the activities in my life.	strongly disagree	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
5.	It makes the things I want to accomplish easier to get done.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
6.	It saves me time when I use it.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
7.	It meets my needs.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	strongly agree <input type="radio"/>
8.	It does everything I would expect it to do.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	strongly agree <input type="radio"/>

EASE OF USE		1	2	3	4	5	6	7	NA
9.	It is easy to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
10.	It is simple to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
11.	It is user friendly.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
12.	It requires the fewest steps possible to accomplish what I want to do with it.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
13.	It is flexible.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
14.	Using it is effortless.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
15.	I can use it without written instructions.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
16.	I don't notice any inconsistencies as I use it.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
17.	Both occasional and regular users would like it.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
18.	I can recover from mistakes quickly and easily.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
19.	I can use it successfully every time.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

EASE OF LEARNING		1	2	3	4	5	6	7	NA
20.	I learned to use it quickly.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
21.	I easily remember how to use it.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
22.	It is easy to learn to use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
23.	I quickly became skillful with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	strongly agree <input type="radio"/>

SATISFACTION		1	2	3	4	5	6	7	NA
24.	I am satisfied with it.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
25.	I would recommend it to a friend.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
26.	It is fun to use.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
27.	It works the way I want it to work.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
28.	It is wonderful.	strongly disagree	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
29.	I feel I need to have it.	strongly disagree	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
30.	It is pleasant to use.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

List the most negative aspect(s):

1. Lots of button presses
2. Some buttons aren't even used.
3.

List the most positive aspect(s):

1. Icons are clear
2. Can be used w/ one hand.
3.

**Questionnaire for User Interface Satisfaction of
Sony Walkman NWZ-E463**

- Try to respond to all the items.
 - For items that are not applicable, use: NA
- Please rate your agreements with these statements.

USEFULNESS		1	2	3	4	5	6	7	NA
1.	It helps me be more effective.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
2.	It helps me be more productive.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
3.	It is useful.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
4.	It gives me more control over the activities in my life.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
5.	It makes the things I want to accomplish easier to get done.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
6.	It saves me time when I use it.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
7.	It meets my needs.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
8.	It does everything I would expect it to do.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

EASE OF USE		1	2	3	4	5	6	7	NA
9.	It is easy to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
10.	It is simple to use.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
11.	It is user friendly.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
12.	It requires the fewest steps possible to accomplish what I want to do with it.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
13.	It is flexible.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
14.	Using it is effortless.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
15.	I can use it without written instructions.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
16.	I don't notice any inconsistencies as I use it.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
17.	Both occasional and regular users would like it.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
18.	I can recover from mistakes quickly and easily.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
19.	I can use it successfully every time.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

EASE OF LEARNING		1	2	3	4	5	6	7	NA
20.	I learned to use it quickly.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
21.	I easily remember how to use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
22.	It is easy to learn to use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
23.	I quickly became skillful with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

SATISFACTION		1	2	3	4	5	6	7	NA
24.	I am satisfied with it.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
25.	I would recommend it to a friend.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
26.	It is fun to use.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
27.	It works the way I want it to work.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
28.	It is wonderful.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
29.	I feel I need to have it.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
30.	It is pleasant to use.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

List the most negative aspect(s):

- Gender wasn't easy to find. To many back and forward to find.
- Functions.
- I have used better products, so, it is easy to compare and highlight the bad aspects.

List the most positive aspect(s):

- Easy to use, simple.
-
-

AR

Questionnaire for User Interface Satisfaction of Sony Walkman NWZ-E463

- Try to respond to all the items.
 - For items that are not applicable, use: NA
- Please rate your agreements with these statements.

USEFULNESS		1	2	3	4	5	6	7	NA
1.	It helps me be more effective.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
2.	It helps me be more productive.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
3.	It is useful.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
4.	It gives me more control over the activities in my life.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
5.	It makes the things I want to accomplish easier to get done.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
6.	It saves me time when I use it.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
7.	It meets my needs.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
8.	It does everything I would expect it to do.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

EASE OF USE		1	2	3	4	5	6	7	NA
9.	It is easy to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
10.	It is easy to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
11.	It is user friendly.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
12.	It requires the fewest steps possible to accomplish what I want to do with it.	strongly disagree	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
13.	It is flexible.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
14.	Using it is effortless.	strongly disagree	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
15.	I can use it without written instructions.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
16.	I don't notice any inconsistencies as I use it.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
17.	Both occasional and regular users would like it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
18.	I can recover from mistakes quickly and easily.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
19.	I can use it successfully every time.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

EASE OF LEARNING		1	2	3	4	5	6	7	NA
20.	I learned to use it quickly.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
21.	I easily remember how to use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
22.	It is easy to learn to use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
23.	I quickly became skillful with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

SATISFACTION		1	2	3	4	5	6	7	NA
24.	I am satisfied with it.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
25.	I would recommend it to a friend.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
26.	It is fun to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
27.	It works the way I want it to work.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
28.	It is wonderful.	strongly disagree	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
29.	I feel I need to have it.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
30.	It is pleasant to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

List the most negative aspect(s):

1. THE BUTTONS RESPONDED SLOWLY
2. TOOK TO MANY BACK BUTTN PUSHES TO GET TO HOME SCREEN
3. POOR ICONS COULDN'T TELL WHAT THEY WERE WITHOUT TEXT

List the most positive aspect(s):

1. IT SEEMS ~~TO~~ ~~PLAY~~ RADIO FEATURE WAS COOL
2. VIDEO SEEMED CRISP
3. EASY TO LEARN - MANY WAYS TO GET TO SAME PLACE

AR

Questionnaire for User Interface Satisfaction of Sony Walkman NWZ-E463

- Try to respond to all the items.
 - For items that are not applicable, use: NA
- Please rate your agreements with these statements.

USEFULNESS		1	2	3	4	5	6	7	NA
1.	It helps me be more effective.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
2.	It helps me be more productive.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
3.	It is useful.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
4.	It gives me more control over the activities in my life.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
5.	It makes the things I want to accomplish easier to get done.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
6.	It saves me time when I use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
7.	It meets my needs.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
8.	It does everything I would expect it to do.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

EASE OF USE		1	2	3	4	5	6	7	NA
9.	It is easy to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
10.	It is simple to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
11.	It is user friendly.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
12.	It requires the fewest steps possible to accomplish what I want to do with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
13.	It is flexible.	strongly disagree	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
14.	Using it is effortless.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
15.	I can use it without written instructions.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
16.	I don't notice any inconsistencies as I use it.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
17.	Both occasional and regular users would like it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
18.	I can recover from mistakes quickly and easily.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
19.	I can use it successfully every time.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

EASE OF LEARNING		1	2	3	4	5	6	7	NA
20.	I learned to use it quickly.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
21.	I easily remember how to use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
22.	It is easy to learn to use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
23.	I quickly became skillful with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

SATISFACTION		1	2	3	4	5	6	7	NA
24.	I am satisfied with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
25.	I would recommend it to a friend.	strongly disagree	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
26.	It is fun to use.	strongly disagree	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
27.	It works the way I want it to work.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
28.	It is wonderful.	strongly disagree	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
29.	I feel I need to have it.	strongly disagree	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
30.	It is pleasant to use.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

List the most negative aspect(s):

1. boring
2. not flexible
3. outdated

List the most positive aspect(s):

1. simple/basic
2. easy to read (high contrast)
3. interface is pretty intuitive

~~NAME~~ AR

Questionnaire for User Interface Satisfaction of Sony Walkman NWZ-E463

- Try to respond to all the items.
 - For items that are not applicable, use: NA
- Please rate your agreements with these statements.

USEFULNESS		1	2	3	4	5	6	7	NA
1.	It helps me be more effective.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
2.	It helps me be more productive.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
3.	It is useful.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
4.	It gives me more control over the activities in my life.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
5.	It makes the things I want to accomplish easier to get done.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
6.	It saves me time when I use it.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
7.	It meets my needs.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
8.	It does everything I would expect it to do.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	strongly agree <input type="radio"/>

EASE OF USE		1	2	3	4	5	6	7	NA
9.	It is easy to use.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
10.	It is simple to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
11.	It is user friendly.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
12.	It requires the fewest steps possible to accomplish what I want to do with it.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
13.	It is flexible.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
14.	Using it is effortless.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
15.	I can use it without written instructions.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
16.	I don't notice any inconsistencies as I use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
17.	Both occasional and regular users would like it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
18.	I can recover from mistakes quickly and easily.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
19.	I can use it successfully every time.	strongly disagree	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

EASE OF LEARNING		1	2	3	4	5	6	7	NA
20.	I learned to use it quickly.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
21.	I easily remember how to use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
22.	It is easy to learn to use it.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
23.	I quickly became skillful with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

SATISFACTION		1	2	3	4	5	6	7	NA
24.	I am satisfied with it.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
25.	I would recommend it to a friend.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
26.	It is fun to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
27.	It works the way I want it to work.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
28.	It is wonderful.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
29.	I feel I need to have it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
30.	It is pleasant to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

List the most negative aspect(s):

- Task 3, I can't find the genre!
-
-

List the most positive aspect(s):

- The icon shows function well, it help me to find songs
-
-

AR

Questionnaire for User Interface Satisfaction of Sony Walkman NWZ-E463

- Try to respond to all the items.
 - For items that are not applicable, use: NA
- Please rate your agreements with these statements.

USEFULNESS		1	2	3	4	5	6	7	NA
1.	It helps me be more effective.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
2.	It helps me be more productive.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
3.	It is useful.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
4.	It gives me more control over the activities in my life.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
5.	It makes the things I want to accomplish easier to get done.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
6.	It saves me time when I use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
7.	It meets my needs.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
8.	It does everything I would expect it to do.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

EASE OF USE		1	2	3	4	5	6	7	NA
9.	It is easy to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
10.	It is simple to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
11.	It is user friendly.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
12.	It requires the fewest steps possible to accomplish what I want to do with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
13.	It is flexible.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
14.	Using it is effortless.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
15.	I can use it without written instructions.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
16.	I don't notice any inconsistencies as I use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
17.	Both occasional and regular users would like it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
18.	I can recover from mistakes quickly and easily.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
19.	I can use it successfully every time.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

EASE OF LEARNING		1	2	3	4	5	6	7	NA
20.	I learned to use it quickly.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
21.	I easily remember how to use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
22.	It is easy to learn to use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
23.	I quickly became skillful with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

SATISFACTION		1	2	3	4	5	6	7	NA
24.	I am satisfied with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
25.	I would recommend it to a friend.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
26.	It is fun to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
27.	It works the way I want it to work.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
28.	It is wonderful.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
29.	I feel I need to have it.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
30.	It is pleasant to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

List the most negative aspect(s):

1. DIFFICULT TO NAVIGATE THE FM TUNER
2. A LITTLE SLOWISH OVERALL
- 3.

List the most positive aspect(s):

1. 4 WAY NAVIGATION BUTTON IS EASY
- 2.
- 3.

AR

Questionnaire for User Interface Satisfaction of Sony Walkman NWZ-E463

- Try to respond to all the items.
 - For items that are not applicable, use: NA
- Please rate your agreements with these statements.

USEFULNESS		1	2	3	4	5	6	7	NA
1.	It helps me be more effective.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
2.	It helps me be more productive.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
3.	It is useful.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
4.	It gives me more control over the activities in my life.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
5.	It makes the things I want to accomplish easier to get done.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
6.	It saves me time when I use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
7.	It meets my needs.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
8.	It does everything I would expect it to do.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

EASE OF USE		1	2	3	4	5	6	7	NA
9.	It is easy to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
10.	It is simple to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
11.	It is user friendly.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
12.	It requires the fewest steps possible to accomplish what I want to do with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
13.	It is flexible.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
14.	Using it is effortless.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
15.	I can use it without written instructions.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
16.	I don't notice any inconsistencies as I use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
17.	Both occasional and regular users would like it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
18.	I can recover from mistakes quickly and easily.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
19.	I can use it successfully every time.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

EASE OF LEARNING		1	2	3	4	5	6	7	NA
20.	I learned to use it quickly.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
21.	I easily remember how to use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
22.	It is easy to learn to use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
23.	I quickly became skillful with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

SATISFACTION		1	2	3	4	5	6	7	NA
24.	I am satisfied with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
25.	I would recommend it to a friend.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
26.	It is fun to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
27.	It works the way I want it to work.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
28.	It is wonderful.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
29.	I feel I need to have it.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
30.	It is pleasant to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

List the most negative aspect(s):

1. No touch screen
2. Lack
- 3.

List the most positive aspect(s):

- 1.
- 2.
- 3.

APPENDIX H

QUESTIONNAIRE RESPONSE SHEETS (NON-AR METHOD)

NON AR

Questionnaire for User Interface Satisfaction of Sony Walkman NWZ-E463

- Try to respond to all the items.
 - For items that are not applicable, use: NA
- Please rate your agreements with these statements.

USEFULNESS		1	2	3	4	5	6	7	NA
1.	It helps me be more effective.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
2.	It helps me be more productive.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
3.	It is useful.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
4.	It gives me more control over the activities in my life.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
5.	It makes the things I want to accomplish easier to get done.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
6.	It saves me time when I use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
7.	It meets my needs.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
8.	It does everything I would expect it to do.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

EASE OF USE		1	2	3	4	5	6	7	NA
9.	It is easy to use.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
10.	It is simple to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
11.	It is user friendly.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
12.	It requires the fewest steps possible to accomplish what I want to do with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
13.	It is flexible.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
14.	Using it is effortless.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
15.	I can use it without written instructions.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
16.	I don't notice any inconsistencies as I use it.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
17.	Both occasional and regular users would like it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
18.	I can recover from mistakes quickly and easily.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
19.	I can use it successfully every time.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

EASE OF LEARNING		1	2	3	4	5	6	7	NA
20.	I learned to use it quickly.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
21.	I easily remember how to use it.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
22.	It is easy to learn to use it.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
23.	I quickly became skillful with it.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

SATISFACTION		1	2	3	4	5	6	7	NA
24.	I am satisfied with it.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
25.	I would recommend it to a friend.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
26.	It is fun to use.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
27.	It works the way I want it to work.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
28.	It is wonderful.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
29.	I feel I need to have it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
30.	It is pleasant to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

List the most negative aspect(s):

1.	the playlist is confusing
2.	
3.	

List the most positive aspect(s):

1.	easy to go back to the home screen
2.	
3.	

**Questionnaire for User Interface Satisfaction of
Sony Walkman NWZ-E463**

- Try to respond to all the items.
 - For items that are not applicable, use: NA
- Please rate your agreements with these statements.

USEFULNESS		1	2	3	4	5	6	7	NA
1.	It helps me be more effective.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
2.	It helps me be more productive.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
3.	It is useful.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
4.	It gives me more control over the activities in my life.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
5.	It makes the things I want to accomplish easier to get done.	strongly disagree	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
6.	It saves me time when I use it.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
7.	It meets my needs.	strongly disagree	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
8.	It does everything I would expect it to do.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

EASE OF USE		1	2	3	4	5	6	7	NA
9.	It is easy to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
10.	It is simple to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
11.	It is user friendly.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
12.	It requires the fewest steps possible to accomplish what I want to do with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
13.	It is flexible.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
14.	Using it is effortless.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
15.	I can use it without written instructions.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
16.	I don't notice any inconsistencies as I use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
17.	Both occasional and regular users would like it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
18.	I can recover from mistakes quickly and easily.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
19.	I can use it successfully every time.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

EASE OF LEARNING		1	2	3	4	5	6	7	NA
20.	I learned to use it quickly.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
21.	I easily remember how to use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
22.	It is easy to learn to use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
23.	I quickly became skillful with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

SATISFACTION		1	2	3	4	5	6	7	NA
24.	I am satisfied with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
25.	I would recommend it to a friend.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
26.	It is fun to use.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
27.	It works the way I want it to work.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
28.	It is wonderful.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
29.	I feel I need to have it.	strongly disagree	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
30.	It is pleasant to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

List the most negative aspect(s):

1. ~~too expensive~~ very small text
2. ~~expanding menu~~ after menu
3. too light weight

List the most positive aspect(s):

1. small/compact
2. needs minimal pressure to activate buttons
3. simple makes understanding very easy

NON AR

Questionnaire for User Interface Satisfaction of Sony Walkman NWZ-E463

- Try to respond to all the items.
 - For items that are not applicable, use: NA
- Please rate your agreements with these statements.

USEFULNESS		1	2	3	4	5	6	7	NA
1.	It helps me be more effective.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
2.	It helps me be more productive.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
3.	It is useful.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
4.	It gives me more control over the activities in my life.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
5.	It makes the things I want to accomplish easier to get done.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
6.	It saves me time when I use it.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
7.	It meets my needs.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
8.	It does everything I would expect it to do.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

EASE OF USE		1	2	3	4	5	6	7	NA
9.	It is easy to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
10.	It is simple to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
11.	It is user friendly.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
12.	It requires the fewest steps possible to accomplish what I want to do with it.	strongly disagree	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
13.	It is flexible.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
14.	Using it is effortless.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
15.	I can use it without written instructions.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
16.	I don't notice any inconsistencies as I use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
17.	Both occasional and regular users would like it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
18.	I can recover from mistakes quickly and easily.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
19.	I can use it successfully every time.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

EASE OF LEARNING		1	2	3	4	5	6	7	NA
20.	I learned to use it quickly.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
21.	I easily remember how to use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
22.	It is easy to learn to use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
23.	I quickly became skillful with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

SATISFACTION		1	2	3	4	5	6	7	NA
24.	I am satisfied with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
25.	I would recommend it to a friend.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
26.	It is fun to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
27.	It works the way I want it to work.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
28.	It is wonderful.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
29.	I feel I need to have it.	strongly disagree	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
30.	It is pleasant to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

List the most negative aspect(s):

1. screen doesn't view vert & horiz for video (at least not that I see)
2. home screen icons not hierarchically nor categorically organized
3. no clear power button
I don't need it - my phone does it all

List the most positive aspect(s):

1. flexible / lots of uses
2. small & portable
- 3.

**Questionnaire for User Interface Satisfaction of
Sony Walkman NWZ-E463**

- Try to respond to all the items.
 - For items that are not applicable, use: NA
- Please rate your agreements with these statements.

USEFULNESS		1	2	3	4	5	6	7	NA
1.	It helps me be more effective.	strongly disagree	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
2.	It helps me be more productive.	strongly disagree	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
3.	It is useful.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
4.	It gives me more control over the activities in my life.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
5.	It makes the things I want to accomplish easier to get done.	strongly disagree	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
6.	It saves me time when I use it.	strongly disagree	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
7.	It meets my needs.	strongly disagree	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
8.	It does everything I would expect it to do.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

EASE OF USE		1	2	3	4	5	6	7	NA
9.	It is easy to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
10.	It is simple to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
11.	It is user friendly.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
12.	It requires the fewest steps possible to accomplish what I want to do with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
13.	It is flexible.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
14.	Using it is effortless.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
15.	I can use it without written instructions.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
16.	I don't notice any inconsistencies as I use it.	strongly disagree	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
17.	Both occasional and regular users would like it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
18.	I can recover from mistakes quickly and easily.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
19.	I can use it successfully every time.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

EASE OF LEARNING		1	2	3	4	5	6	7	NA
20.	I learned to use it quickly.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
21.	I easily remember how to use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
22.	It is easy to learn to use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
23.	I quickly became skillful with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

SATISFACTION		1	2	3	4	5	6	7	NA
24.	I am satisfied with it.	strongly disagree	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
25.	I would recommend it to a friend.	strongly disagree	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
26.	It is fun to use.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
27.	It works the way I want it to work.	strongly disagree	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
28.	It is wonderful.	strongly disagree	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
29.	I feel I need to have it.	strongly disagree	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
30.	It is pleasant to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

List the most negative aspect(s):

1. Some of the interactions (like radio station choosing) don't feel mapped right
2. "Back" didn't always return you on the exact path you took
3. Redundant device for me personally like (eg. back mark)

List the most positive aspect(s):

1. Very Easy
2. Very quick to learn, as expected
3. Effortless

**Questionnaire for User Interface Satisfaction of
Sony Walkman NWZ-E463**

- Try to respond to all the items.
 - For items that are not applicable, use: NA
- Please rate your agreements with these statements.

USEFULNESS		1	2	3	4	5	6	7	NA
1.	It helps me be more effective.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
2.	It helps me be more productive.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
3.	It is useful.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
4.	It gives me more control over the activities in my life.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
5.	It makes the things I want to accomplish easier to get done.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
6.	It saves me time when I use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
7.	It meets my needs.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
8.	It does everything I would expect it to do.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

EASE OF USE		1	2	3	4	5	6	7	NA
9.	It is easy to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
10.	It is simple to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
11.	It is user friendly.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
12.	It requires the fewest steps possible to accomplish what I want to do with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
13.	It is flexible.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
14.	Using it is effortless.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
15.	I can use it without written instructions.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
16.	I don't notice any inconsistencies as I use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
17.	Both occasional and regular users would like it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
18.	I can recover from mistakes quickly and easily.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
19.	I can use it successfully every time.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

EASE OF LEARNING		1	2	3	4	5	6	7	NA
20.	I learned to use it quickly.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
21.	I easily remember how to use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
22.	It is easy to learn to use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
23.	I quickly became skillful with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

SATISFACTION		1	2	3	4	5	6	7	NA
24.	I am satisfied with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
25.	I would recommend it to a friend.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
26.	It is fun to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
27.	It works the way I want it to work.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
28.	It is wonderful.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
29.	I feel I need to have it.	strongly disagree	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
30.	It is pleasant to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

List the most negative aspect(s):

1. TEXT TOO SMALL/DIFFICULT TO READ
2. NO EASY WAY TO RETURN TO HOME SCREEN
3. SCREEN FEELS CROWDED

List the most positive aspect(s):

1. SIMPLE MENUS
2. CLEAR ICONS
3. ~~GOOD~~ BUTTONS CLEARLY LABELED

NON AR

Questionnaire for User Interface Satisfaction of Sony Walkman NWZ-E463

- Try to respond to all the items.
 - For items that are not applicable, use: NA
- Please rate your agreements with these statements.

USEFULNESS		1	2	3	4	5	6	7	NA
1.	It helps me be more effective.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
2.	It helps me be more productive.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
3.	It is useful.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
4.	It gives me more control over the activities in my life.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
5.	It makes the things I want to accomplish easier to get done.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
6.	It saves me time when I use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
7.	It meets my needs.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
8.	It does everything I would expect it to do.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

EASE OF USE		1	2	3	4	5	6	7	NA
9.	It is easy to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
10.	It is simple to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
11.	It is user friendly.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
12.	It requires the fewest steps possible to accomplish what I want to do with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
13.	It is flexible.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
14.	Using it is effortless.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
15.	I can use it without written instructions.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
16.	I don't notice any inconsistencies as I use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
17.	Both occasional and regular users would like it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
18.	I can recover from mistakes quickly and easily.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
19.	I can use it successfully every time.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

EASE OF LEARNING		1	2	3	4	5	6	7	NA
20.	I learned to use it quickly.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	strongly agree <input type="radio"/>
21.	I easily remember how to use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	strongly agree <input type="radio"/>
22.	It is easy to learn to use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	strongly agree <input type="radio"/>
23.	I quickly became skillful with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

SATISFACTION		1	2	3	4	5	6	7	NA
24.	I am satisfied with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
25.	I would recommend it to a friend.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
26.	It is fun to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
27.	It works the way I want it to work.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
28.	It is wonderful.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
29.	I feel I need to have it.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
30.	It is pleasant to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

List the most negative aspect(s):

1. Not clear how to turn on
2. no 'home' button -> many 'back' button presses required
3. icons not the clearest in meaning

List the most positive aspect(s):

1. nice 'feel' to the button press
2. simple menu navigation (similar to ipod)
3. color screen

**Questionnaire for User Interface Satisfaction of
Sony Walkman NWZ-E463**

- Try to respond to all the items.
 - For items that are not applicable, use: NA
- Please rate your agreements with these statements.

USEFULNESS		1	2	3	4	5	6	7	NA
1.	It helps me be more effective.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
2.	It helps me be more productive.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
3.	It is useful.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
4.	It gives me more control over the activities in my life.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
5.	It makes the things I want to accomplish easier to get done.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
6.	It saves me time when I use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
7.	It meets my needs.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
8.	It does everything I would expect it to do.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

EASE OF USE		1	2	3	4	5	6	7	NA
9.	It is easy to use.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
10.	It is simple to use.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
11.	It is user friendly.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
12.	It requires the fewest steps possible to accomplish what I want to do with it.	strongly disagree	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
13.	It is flexible.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
14.	Using it is effortless.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
15.	I can use it without written instructions.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
16.	I don't notice any inconsistencies as I use it.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
17.	Both occasional and regular users would like it.	strongly disagree	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
18.	I can recover from mistakes quickly and easily.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
19.	I can use it successfully every time.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

EASE OF LEARNING		1	2	3	4	5	6	7	NA
20.	I learned to use it quickly.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
21.	I easily remember how to use it.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
22.	It is easy to learn to use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
23.	I quickly became skillful with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

SATISFACTION		1	2	3	4	5	6	7	NA
24.	I am satisfied with it.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
25.	I would recommend it to a friend.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
26.	It is fun to use.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
27.	It works the way I want it to work.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
28.	It is wonderful.	strongly disagree	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
29.	I feel I need to have it.	strongly disagree	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
30.	It is pleasant to use.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

List the most negative aspect(s):

- Many key presses to accomplish basic tasks
- Confusing icon set
- Less responsive buttons than needed

List the most positive aspect(s):

- Compact
- lots of features for size
- Video in small device

**Questionnaire for User Interface Satisfaction of
Sony Walkman NWZ-E463**

- Try to respond to all the items.
 - For items that are not applicable, use: NA
- Please rate your agreements with these statements.

USEFULNESS		1	2	3	4	5	6	7	NA
1.	It helps me be more effective.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
2.	It helps me be more productive.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
3.	It is useful.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
4.	It gives me more control over the activities in my life.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
5.	It makes the things I want to accomplish easier to get done.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
6.	It saves me time when I use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
7.	It meets my needs.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
8.	It does everything I would expect it to do.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

EASE OF USE		1	2	3	4	5	6	7	NA
9.	It is easy to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
10.	It is simple to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
11.	It is user friendly.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
12.	It requires the fewest steps possible to accomplish what I want to do with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
13.	It is flexible.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
14.	Using it is effortless.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
15.	I can use it without written instructions.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
16.	I don't notice any inconsistencies as I use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
17.	Both occasional and regular users would like it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
18.	I can recover from mistakes quickly and easily.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
19.	I can use it successfully every time.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

EASE OF LEARNING		1	2	3	4	5	6	7	NA
20.	I learned to use it quickly.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
21.	I easily remember how to use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
22.	It is easy to learn to use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
23.	I quickly became skillful with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

SATISFACTION		1	2	3	4	5	6	7	NA
24.	I am satisfied with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
25.	I would recommend it to a friend.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
26.	It is fun to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
27.	It works the way I want it to work.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
28.	It is wonderful.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
29.	I feel I need to have it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
30.	It is pleasant to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

List the most negative aspect(s):

1. I want to go back to the home by one step
2. _____
3. _____

List the most positive aspect(s):

1. easy to understand
2. _____
3. _____

NDN AR

Questionnaire for User Interface Satisfaction of Sony Walkman NWZ-E463

- Try to respond to all the items.
 - For items that are not applicable, use: NA
- Please rate your agreements with these statements.

USEFULNESS		1	2	3	4	5	6	7	NA
1.	It helps me be more effective.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
2.	It helps me be more productive.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
3.	It is useful.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
4.	It gives me more control over the activities in my life.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
5.	It makes the things I want to accomplish easier to get done.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
6.	It saves me time when I use it.	strongly disagree	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
7.	It meets my needs.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
8.	It does everything I would expect it to do.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

EASE OF USE		1	2	3	4	5	6	7	NA
9.	It is easy to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
10.	It is simple to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
11.	It is user friendly.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
12.	It requires the fewest steps possible to accomplish what I want to do with it.	strongly disagree	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
13.	It is flexible.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
14.	Using it is effortless.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
15.	I can use it without written instructions.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
16.	I don't notice any inconsistencies as I use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
17.	Both occasional and regular users would like it.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
18.	I can recover from mistakes quickly and easily.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
19.	I can use it successfully every time.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

EASE OF LEARNING		1	2	3	4	5	6	7	NA
20.	I learned to use it quickly.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
21.	I easily remember how to use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
22.	It is easy to learn to use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
23.	I quickly became skillful with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

SATISFACTION		1	2	3	4	5	6	7	NA
24.	I am satisfied with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
25.	I would recommend it to a friend.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
26.	It is fun to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
27.	It works the way I want it to work.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
28.	It is wonderful.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
29.	I feel I need to have it.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
30.	It is pleasant to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

List the most negative aspect(s):

- Have to repeatedly press back button to get home
- Sometimes scroller is inverted
-

List the most positive aspect(s):

- Simple Home Screen with everything
- Easy to identify songs
- Step by step collection

NON AR

Questionnaire for User Interface Satisfaction of Sony Walkman NWZ-E463

- Try to respond to all the items.
 - For items that are not applicable, use: NA
- Please rate your agreements with these statements.

USEFULNESS		1	2	3	4	5	6	7	NA
1.	It helps me be more effective.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
2.	It helps me be more productive.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
3.	It is useful.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
4.	It gives me more control over the activities in my life.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
5.	It makes the things I want to accomplish easier to get done.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
6.	It saves me time when I use it.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
7.	It meets my needs.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
8.	It does everything I would expect it to do.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

EASE OF USE		1	2	3	4	5	6	7	NA
9.	It is easy to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
10.	It is simple to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
11.	It is user friendly.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
12.	It requires the fewest steps possible to accomplish what I want to do with it.	strongly disagree	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
13.	It is flexible.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
14.	Using it is effortless.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
15.	I can use it without written instructions.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
16.	I don't notice any inconsistencies as I use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
17.	Both occasional and regular users would like it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
18.	I can recover from mistakes quickly and easily.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
19.	I can use it successfully every time.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

EASE OF LEARNING		1	2	3	4	5	6	7	NA
20.	I learned to use it quickly.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
21.	I easily remember how to use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
22.	It is easy to learn to use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
23.	I quickly became skillful with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

SATISFACTION		1	2	3	4	5	6	7	NA
24.	I am satisfied with it.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
25.	I would recommend it to a friend.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
26.	It is fun to use.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
27.	It works the way I want it to work.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
28.	It is wonderful.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
29.	I feel I need to have it.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
30.	It is pleasant to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

List the most negative aspect(s):

1. The home screen option requires many clicks to return to main home screen
2. Not intuitive immediately where all buttons are
- 3.

List the most positive aspect(s):

1. Buttons offered nice feedback
2. Feels nice in the hand
- 3.

NON AR

Questionnaire for User Interface Satisfaction of Sony Walkman NWZ-E463

- Try to respond to all the items.
 - For items that are not applicable, use: NA
- Please rate your agreements with these statements.

USEFULNESS		1	2	3	4	5	6	7	NA
1.	It helps me be more effective.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
2.	It helps me be more productive.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
3.	It is useful.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
4.	It gives me more control over the activities in my life.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
5.	It makes the things I want to accomplish easier to get done.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
6.	It saves me time when I use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
7.	It meets my needs.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
8.	It does everything I would expect it to do.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

EASE OF USE		1	2	3	4	5	6	7	NA
9.	It is easy to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
10.	It is simple to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
11.	It is user friendly.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
12.	It requires the fewest steps possible to accomplish what I want to do with it.	strongly disagree	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
13.	It is flexible.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
14.	Using it is effortless.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
15.	I can use it without written instructions.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
16.	I don't notice any inconsistencies as I use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
17.	Both occasional and regular users would like it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
18.	I can recover from mistakes quickly and easily.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
19.	I can use it successfully every time.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

EASE OF LEARNING		1	2	3	4	5	6	7	NA
20.	I learned to use it quickly.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
21.	I easily remember how to use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
22.	It is easy to learn to use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
23.	I quickly became skillful with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

SATISFACTION		1	2	3	4	5	6	7	NA
24.	I am satisfied with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
25.	I would recommend it to a friend.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
26.	It is fun to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
27.	It works the way I want it to work.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
28.	It is wonderful.	strongly disagree	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
29.	I feel I need to have it.	strongly disagree	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
30.	It is pleasant to use.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

List the most negative aspect(s):

- could not figure out a step home screen
-
-

List the most positive aspect(s):

- easy to figure out how to use
-
-

NON AR

Questionnaire for User Interface Satisfaction of Sony Walkman NWZ-E463

- Try to respond to all the items.
 - For items that are not applicable, use: NA
- Please rate your agreements with these statements.

USEFULNESS		1	2	3	4	5	6	7	NA
1.	It helps me be more effective.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
2.	It helps me be more productive.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
3.	It is useful.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
4.	It gives me more control over the activities in my life.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
5.	It makes the things I want to accomplish easier to get done.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
6.	It saves me time when I use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
7.	It meets my needs.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
8.	It does everything I would expect it to do.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

EASE OF USE		1	2	3	4	5	6	7	NA
9.	It is easy to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
10.	It is simple to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
11.	It is user friendly.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
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13.	It is flexible.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
14.	Using it is effortless.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
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16.	I don't notice any inconsistencies as I use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
17.	Both occasional and regular users would like it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
18.	I can recover from mistakes quickly and easily.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
19.	I can use it successfully every time.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

EASE OF LEARNING		1	2	3	4	5	6	7	NA
20.	I learned to use it quickly.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
21.	I easily remember how to use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
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SATISFACTION		1	2	3	4	5	6	7	NA
24.	I am satisfied with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
25.	I would recommend it to a friend.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
26.	It is fun to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
27.	It works the way I want it to work.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
28.	It is wonderful.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
29.	I feel I need to have it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
30.	It is pleasant to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

List the most negative aspect(s):

1. RETURNING TO HOME SCREEN - CUMBERSOME
2. BUTTONS HAVE SOMEWHAT COMPASSION
3. SMALL SCREEN

List the most positive aspect(s):

1. MULTIPLE MEDIA CHOICES
2. GRAPHICS OBVIOUS
3. PORTABLE & SMALL

NON AR

Questionnaire for User Interface Satisfaction of Sony Walkman NWZ-E463

- Try to respond to all the items.
 - For items that are not applicable, use: NA
- Please rate your agreements with these statements.

USEFULNESS		1	2	3	4	5	6	7	NA
1.	It helps me be more effective.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
2.	It helps me be more productive.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
3.	It is useful.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
4.	It gives me more control over the activities in my life.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
5.	It makes the things I want to accomplish easier to get done.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
6.	It saves me time when I use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
7.	It meets my needs.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
8.	It does everything I would expect it to do.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

EASE OF USE		1	2	3	4	5	6	7	NA
9.	It is easy to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
10.	It is simple to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
11.	It is user friendly.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
12.	It requires the fewest steps possible to accomplish what I want to do with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
13.	It is flexible.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
14.	Using it is effortless.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
15.	I can use it without written instructions.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
16.	I don't notice any inconsistencies as I use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
17.	Both occasional and regular users would like it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
18.	I can recover from mistakes quickly and easily.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
19.	I can use it successfully every time.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

EASE OF LEARNING		1	2	3	4	5	6	7	NA
20.	I learned to use it quickly.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
21.	I easily remember how to use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
22.	It is easy to learn to use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
23.	I quickly became skillful with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

SATISFACTION		1	2	3	4	5	6	7	NA
24.	I am satisfied with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
25.	I would recommend it to a friend.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
26.	It is fun to use.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
27.	It works the way I want it to work.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
28.	It is wonderful.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
29.	I feel I need to have it.	strongly disagree	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
30.	It is pleasant to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

List the most negative aspect(s):

1.	
2.	
3.	

List the most positive aspect(s):

1.	IT FEELS GOOD TO PRESS THE BUTTONS.
2.	THE ICONS ARE EASY TO UNDERSTAND.
3.	

NON-AR

**Questionnaire for User Interface Satisfaction of
Sony Walkman NWZ-E463**

- Try to respond to all the items.
 - For items that are not applicable, use: NA
- Please rate your agreements with these statements.

USEFULNESS		1	2	3	4	5	6	7	NA
1.	It helps me be more effective.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
2.	It helps me be more productive.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
3.	It is useful.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
4.	It gives me more control over the activities in my life.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
5.	It makes the things I want to accomplish easier to get done.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
6.	It saves me time when I use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
7.	It meets my needs.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
8.	It does everything I would expect it to do.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

EASE OF USE		1	2	3	4	5	6	7	NA
9.	It is easy to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
10.	It is simple to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
11.	It is user friendly.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
12.	It requires the fewest steps possible to accomplish what I want to do with it.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
13.	It is flexible.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
14.	Using it is effortless.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
15.	I can use it without written instructions.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
16.	I don't notice any inconsistencies as I use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
17.	Both occasional and regular users would like it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
18.	I can recover from mistakes quickly and easily.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
19.	I can use it successfully every time.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

EASE OF LEARNING		1	2	3	4	5	6	7	NA
20.	I learned to use it quickly.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
21.	I easily remember how to use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
22.	It is easy to learn to use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
23.	I quickly became skillful with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

SATISFACTION		1	2	3	4	5	6	7	NA
24.	I am satisfied with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
25.	I would recommend it to a friend.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
26.	It is fun to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
27.	It works the way I want it to work.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
28.	It is wonderful.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
29.	I feel I need to have it.	strongly disagree	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
30.	It is pleasant to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

List the most negative aspect(s):

1. I HAD TO ENTER SEVERAL FOLDERS TO ACCESS 1 THING
2. HAVING TO HIT "BACK" A BUNCH OF TIMES
3. ICONS NOT THE MOST INTUITIVE

List the most positive aspect(s):

1. BUTTON LAYOUT IS SIMPLE
2. MULTIPLE WAYS TO ACCESS MUSIC
3. SEEMS VERY PORTABLE

NON-AR

Questionnaire for User Interface Satisfaction of Sony Walkman NWZ-E463

- Try to respond to all the items.
 - For items that are not applicable, use: NA
- Please rate your agreements with these statements.

USEFULNESS		1	2	3	4	5	6	7	NA
1.	It helps me be more effective.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
2.	It helps me be more productive.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
3.	It is useful.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
4.	It gives me more control over the activities in my life.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
5.	It makes the things I want to accomplish easier to get done.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
6.	It saves me time when I use it.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
7.	It meets my needs.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
8.	It does everything I would expect it to do.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

EASE OF USE		1	2	3	4	5	6	7	NA
9.	It is easy to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
10.	It is easy to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
11.	It is user friendly.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
12.	It requires the fewest steps possible to accomplish what I want to do with it.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
13.	It is flexible.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
14.	Using it is effortless.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
15.	I can use it without written instructions.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
16.	I don't notice any inconsistencies as I use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
17.	Both occasional and regular users would like it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
18.	I can recover from mistakes quickly and easily.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
19.	I can use it successfully every time.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

EASE OF LEARNING		1	2	3	4	5	6	7	NA
20.	I learned to use it quickly.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
21.	I easily remember how to use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
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23.	I quickly became skillful with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

SATISFACTION		1	2	3	4	5	6	7	NA
24.	I am satisfied with it.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
25.	I would recommend it to a friend.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
26.	It is fun to use.	strongly disagree	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
27.	It works the way I want it to work.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
28.	It is wonderful.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
29.	I feel I need to have it.	strongly disagree	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
30.	It is pleasant to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

List the most negative aspect(s):

1. *outdated*
2. *poor quality graphics*
3. *the circle implies that you can scroll with touch, but you actually need to click in the direction.*

List the most positive aspect(s):

1. *easily readable (large font, images)*
2. *buttons respond well*
3. *very lightweight*

**Questionnaire for User Interface Satisfaction of
Sony Walkman NWZ-E463**

- Try to respond to all the items.
 - For items that are not applicable, use: NA
- Please rate your agreements with these statements.

USEFULNESS		1	2	3	4	5	6	7	NA
1.	It helps me be more effective.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
2.	It helps me be more productive.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
3.	It is useful.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
4.	It gives me more control over the activities in my life.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
5.	It makes the things I want to accomplish easier to get done.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
6.	It saves me time when I use it.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
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8.	It does everything I would expect it to do.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

EASE OF USE		1	2	3	4	5	6	7	NA
9.	It is easy to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
10.	It is simple to use.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
11.	It is user friendly.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
12.	It requires the fewest steps possible to accomplish what I want to do with it.	strongly disagree	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
13.	It is flexible.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
14.	Using it is effortless.	strongly disagree	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
15.	I can use it without written instructions.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
16.	I don't notice any inconsistencies as I use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
17.	Both occasional and regular users would like it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
18.	I can recover from mistakes quickly and easily.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
19.	I can use it successfully every time.	strongly disagree	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

EASE OF LEARNING		1	2	3	4	5	6	7	NA
20.	I learned to use it quickly.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
21.	I easily remember how to use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
22.	It is easy to learn to use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
23.	I quickly became skillful with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

SATISFACTION		1	2	3	4	5	6	7	NA
24.	I am satisfied with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
25.	I would recommend it to a friend.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
26.	It is fun to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
27.	It works the way I want it to work.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
28.	It is wonderful.	strongly disagree	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
29.	I feel I need to have it.	strongly disagree	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
30.	It is pleasant to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

List the most negative aspect(s):

1. Tuning to a specific radio station was difficult.
2. It wasn't clear that you could hold the back button down to get to the name screen
3. I don't know what the option button does, it becomes confusing

List the most positive aspect(s):

1. ~~the icons~~ Having both the icons and the words are helpful in finding what I need
2. Having subcategories under the icons is nice
- 3.

**Questionnaire for User Interface Satisfaction of
Sony Walkman NWZ-E463**

- Try to respond to all the items.
 - For items that are not applicable, use: NA
- Please rate your agreements with these statements.

USEFULNESS		1	2	3	4	5	6	7	NA
1.	It helps me be more effective.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
2.	It helps me be more productive.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
3.	It is useful.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
4.	It gives me more control over the activities in my life.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
5.	It makes the things I want to accomplish easier to get done.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
6.	It saves me time when I use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
7.	It meets my needs.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	strongly agree <input type="radio"/>
8.	It does everything I would expect it to do.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	strongly agree <input type="radio"/>

EASE OF USE		1	2	3	4	5	6	7	NA
9.	It is easy to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
10.	It is simple to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
11.	It is user friendly.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
12.	It requires the fewest steps possible to accomplish what I want to do with it.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
13.	It is flexible.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
14.	Using it is effortless.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
15.	I can use it without written instructions.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
16.	I don't notice any inconsistencies as I use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
17.	Both occasional and regular users would like it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
18.	I can recover from mistakes quickly and easily.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
19.	I can use it successfully every time.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

EASE OF LEARNING		1	2	3	4	5	6	7	NA
20.	I learned to use it quickly.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
21.	I easily remember how to use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
22.	It is easy to learn to use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
23.	I quickly became skillful with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

SATISFACTION		1	2	3	4	5	6	7	NA
24.	I am satisfied with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
25.	I would recommend it to a friend.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
26.	It is fun to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
27.	It works the way I want it to work.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
28.	It is wonderful.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
29.	I feel I need to have it.	strongly disagree	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
30.	It is pleasant to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

List the most negative aspect(s):

1. I wish I knew what the icons were before scrolling to them.
2. Some weird things like selecting playlist from home screen, then hitting "back" doesn't take you back to the home screen.

List the most positive aspect(s):

1. Quick response time - no loading or delay after input
2. Simple to use
3. Tactile buttons work well for this interface.

Questionnaire for User Interface Satisfaction of Sony Walkman NWZ-E463

- Try to respond to all the items.
 - For items that are not applicable, use: NA
- Please rate your agreements with these statements.

USEFULNESS		1	2	3	4	5	6	7	NA
1.	It helps me be more effective.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
2.	It helps me be more productive.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
3.	It is useful.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
4.	It gives me more control over the activities in my life.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
5.	It makes the things I want to accomplish easier to get done.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
6.	It saves me time when I use it.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
7.	It meets my needs.	strongly disagree	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
8.	It does everything I would expect it to do.	strongly disagree	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

EASE OF USE		1	2	3	4	5	6	7	NA
9.	It is easy to use.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
10.	It is simple to use.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
11.	It is user friendly.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
12.	It requires the fewest steps possible to accomplish what I want to do with it.	strongly disagree	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
13.	It is flexible.	strongly disagree	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
14.	Using it is effortless.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
15.	I can use it without written instructions.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
16.	I don't notice any inconsistencies as I use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
17.	Both occasional and regular users would like it.	strongly disagree	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
18.	I can recover from mistakes quickly and easily.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
19.	I can use it successfully every time.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

EASE OF LEARNING		1	2	3	4	5	6	7	NA
20.	I learned to use it quickly.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
21.	I easily remember how to use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
22.	It is easy to learn to use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
23.	I quickly became skillful with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

SATISFACTION		1	2	3	4	5	6	7	NA
24.	I am satisfied with it.	strongly disagree	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
25.	I would recommend it to a friend.	strongly disagree	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
26.	It is fun to use.	strongly disagree	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
27.	It works the way I want it to work.	strongly disagree	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
28.	It is wonderful.	strongly disagree	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
29.	I feel I need to have it.	strongly disagree	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
30.	It is pleasant to use.	strongly disagree	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

List the most negative aspect(s):

- TOO MANY STEPS
- DISPLAY OUTDATED
- ANNNOYING. UI/UX IS TERRIBLE

List the most positive aspect(s):

- COMPACT
- EASY TO USE
- SIMPLE LAYOUT

**Questionnaire for User Interface Satisfaction of
Sony Walkman NWZ-E463**

- Try to respond to all the items.
 - For items that are not applicable, use: NA
- Please rate your agreements with these statements.

USEFULNESS		1	2	3	4	5	6	7	NA
1.	It helps me be more effective.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
2.	It helps me be more productive.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
3.	It is useful.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
4.	It gives me more control over the activities in my life.	strongly disagree	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
5.	It makes the things I want to accomplish easier to get done.	strongly disagree	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
6.	It saves me time when I use it.	strongly disagree	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
7.	It meets my needs.	strongly disagree	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
8.	It does everything I would expect it to do.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

EASE OF USE		1	2	3	4	5	6	7	NA
9.	It is easy to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
10.	It is simple to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
11.	It is user friendly.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
12.	It requires the fewest steps possible to accomplish what I want to do with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
13.	It is flexible.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
14.	Using it is effortless.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
15.	I can use it without written instructions.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
16.	I don't notice any inconsistencies as I use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
17.	Both occasional and regular users would like it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
18.	I can recover from mistakes quickly and easily.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
19.	I can use it successfully every time.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

EASE OF LEARNING		1	2	3	4	5	6	7	NA
20.	I learned to use it quickly.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
21.	I easily remember how to use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
22.	It is easy to learn to use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
23.	I quickly became skillful with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

SATISFACTION		1	2	3	4	5	6	7	NA
24.	I am satisfied with it.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
25.	I would recommend it to a friend.	strongly disagree	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
26.	It is fun to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
27.	It works the way I want it to work.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
28.	It is wonderful.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
29.	I feel I need to have it.	strongly disagree	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
30.	It is pleasant to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

List the most negative aspect(s):

1. small screen
2. limited options for usage
3. click wheel feels outdated.

List the most positive aspect(s):

1. easy to navigate
2. compact
3. video looks decent on it.

**Questionnaire for User Interface Satisfaction of
Sony Walkman NWZ-E463**

- Try to respond to all the items.
 - For items that are not applicable, use: NA
- Please rate your agreements with these statements.

USEFULNESS		1	2	3	4	5	6	7	NA
1.	It helps me be more effective.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
2.	It helps me be more productive.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
3.	It is useful.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
4.	It gives me more control over the activities in my life.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
5.	It makes the things I want to accomplish easier to get done.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
6.	It saves me time when I use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
7.	It meets my needs.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
8.	It does everything I would expect it to do.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

EASE OF USE		1	2	3	4	5	6	7	NA
9.	It is easy to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
10.	It is simple to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
11.	It is user friendly.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
12.	It requires the fewest steps possible to accomplish what I want to do with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
13.	It is flexible.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
14.	Using it is effortless.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
15.	I can use it without written instructions.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
16.	I don't notice any inconsistencies as I use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
17.	Both occasional and regular users would like it.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
18.	I can recover from mistakes quickly and easily.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
19.	I can use it successfully every time.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

EASE OF LEARNING		1	2	3	4	5	6	7	NA
20.	I learned to use it quickly.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
21.	I easily remember how to use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
22.	It is easy to learn to use it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
23.	I quickly became skillful with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

SATISFACTION		1	2	3	4	5	6	7	NA
24.	I am satisfied with it.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
25.	I would recommend it to a friend.	strongly disagree	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
26.	It is fun to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
27.	It works the way I want it to work.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
28.	It is wonderful.	strongly disagree	<input type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
29.	I feel I need to have it.	strongly disagree	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>
30.	It is pleasant to use.	strongly disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	strongly agree <input type="radio"/>

List the most negative aspect(s):

1. I would not buy it b/c it is outdated
2. the screen is small
3. feels cheap (plastic)

List the most positive aspect(s):

1. buttons are easy to press
2. turns on very quickly
3. simple to learn

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